MAR 31 1902
PERIODICAL

The American Artisan
THE HARDWARE RECORD

Volume 43—No. 13. CHICAGO, MARCH 29, 1902. $2.00 Per Year.

**Columbus Bolt Works.**
Columbus, O.
Bolts, Nuts, Washers, Turn Buckles,
Bridge and Roof Rods and **Bolts**
ALL KINDS OF CARRIAGE FORGINGS ON APPLICATION
CATALOGUE

"Sampson Brand" **PURE ASPHALT ROOFING**
Never Dries Out or Cracks. Planet Brand Tarred Ready Roofing, Slaters' Felt, Building Papers, Roofing Cements, Paints, Etc.
Write us for Prices **J. L. PERKINS & CO.,** 241 Lake St. CHICAGO

We make a full line of
Stove Bolts, Stove Rods, Machine Screws, Pointed Pins, Threaded Wires, Rivets, Special Bolts, Mica Bolts, Cold Pressed Nuts.
**Atlas Bolt & Screw Co.**
CLEVELAND, O.

**It Isn't Every Day**
that you can buy registers as cheap as now.
Investigate our prices.
**Independent Register Co.**
158 Champlain St., Cleveland, O.

A UNIVERSAL REMEDY FOR
**LEAKY ROOFS.**
The valuable qualities of a good roofing cement are firm adhesiveness and elasticity. These qualities the
AMERICAN SEAL BUILDERS' AND ROOFERS'
**ELASTIC OIL CEMENT**
possesses. It will adhere firmly to Slate or Metal and will not crack or crumble. It is especially recommended for repairing leaks around chimneys, dormer windows, sky lights, scuttles, firewalls and any place that requires fixing on a roof, either Slate, Tin or Shingle.
**This Cement** will answer to repair **a roof** when **Solder** can not be used
MANUFACTURED BY
**Wm. Connors Paint Mfg. Co.**
TROY, N. Y.
WESTERN AGENTS—J. L. PERKINS & CO.,
241 Lake Street, - - - CHICAGO, ILL.
STOCKHOFF SUPPLY CO., ST. LOUIS, MO.

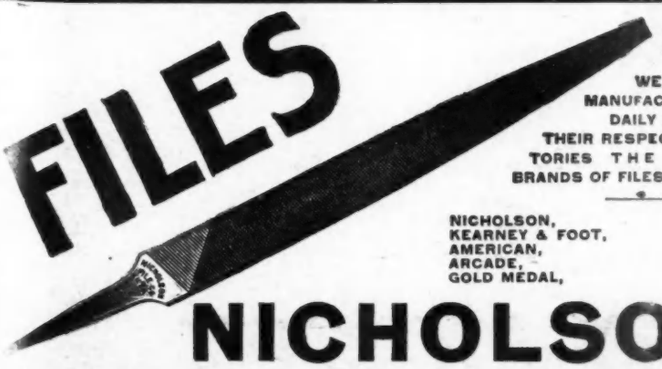
Crying—to—do—business—without—advertising—is like—winking—at—a—girl—in—the dark;—you—know—what—you—are—doing—but—nobody—else—does.

**BRADLEY SHELF BRACKETS.**
Strong, Light and All Right.
ATLAS MFG. CO., New Haven, Ct.

SAMSON SPOT CORD

Also Massachusetts and Phœnix Brands of Sash Cord.
Samson Cordage Works, Boston, Mass.

**Black Diamond Files and Rasps.**
PERFECT—ALWAYS
Twelve Medals Awarded
TRADE MARK
At International Expositions.
**G. & H. BARNETT CO.,**
Black Diamond File Works, PHILADELPHIA, PA.



WE MANUFACTURE DAILY AT THEIR RESPECTIVE FACTORIES THE FOLLOWING BRANDS OF FILES AND RASPS:

NICHOLSON, KEARNEY & FOOT, AMERICAN, ARCADE, GOLD MEDAL,
GREAT WESTERN, J. B. SMITH, McCLELLAN, EAGLE, "X. F."

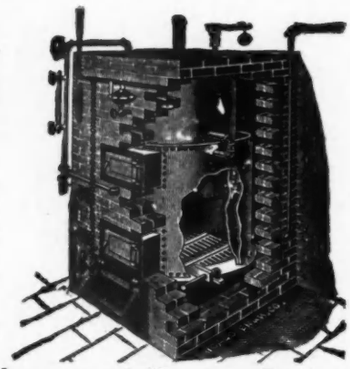
**NICHOLSON FILE CO.**
Providence, R. I., U. S. A.

# BOILERS AND RADIATORS

A Postal Card from you will bring valuable, complete information in regard to the best, most comprehensive, strictly modern line of these goods.

WRITE US TODAY.
New York, Boston, Philadelphia, St. Louis, Buffalo, Minneapolis, Denver, Detroit, London.

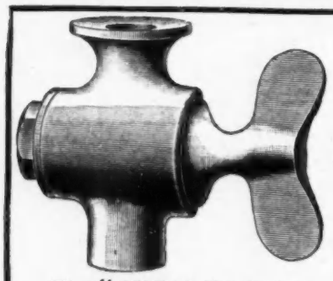
AMERICAN RADIATOR COMPANY
Lake and Dearborn Sts., CHICAGO.



## Improved Haxtun Boiler

For Steam and Hot Water Heating. Magazine Feed. For Soft and Hard Coal. 18 years' successful use.

Kewanee Boiler Company, Kewanee, Ill.



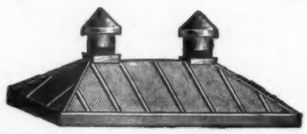
The "OMEGA," 2-3 Size. To attach to bottom of can.

BEER,
MILK CAN,
OIL CAN,
CREAM SEPARATOR

## FAUCETS.

Various Sizes and Styles.
MANUFACTURED BY
CLARK NOVELTY CO.,
ROCHESTER, N. Y.

Also Mfrs. of The CLARK Kerosene Oil System for Heating Soldering Coppers.



## "The Illinois"

METALLIC SKYLIGHTS

Are known in every State. Have stood the test for years. Are made in 10 styles and 500 sizes. Complete Skylight, Cornice and Finial Catalogue mailed free.

J. H. JONES, Mfr.,
Lock Box 33 STREATOR, ILL.

## "Eagle" Brand Copper Rivets and Burrs.

STANDARD FOR QUALITY. (Lake Superior Copper.)
——MANUFACTURED BY——

THE PLUME & ATWOOD MFG. CO.,
29 Murray St., NEW YORK. 196 Lake St., CHICAGO, ILL.

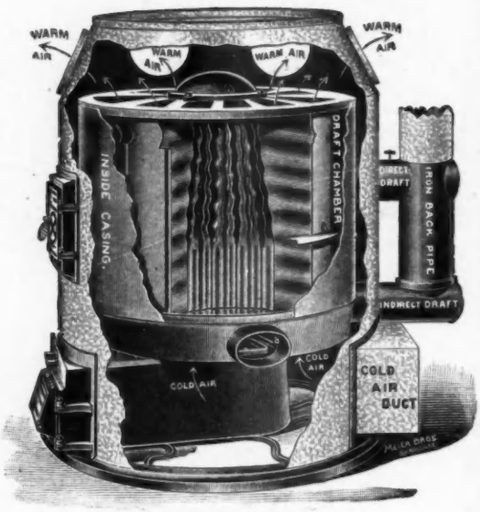
# The Kelsey Warm Air Generator

## THE PRINCIPLE

Of the Kelsey is to warm great volumes of air by bringing it into **actual contact** with an **extensive** and **properly heated** surface.

This is accomplished by sending the air in **separate channels through** the long hollow corrugated cast iron sections which form the fire chamber.

This is a far more effective method, and the air is more thoroughly and evenly heated, than by simply **passing over** or **next** to a hot surface.




Sectional View.

## Cook and Van Evera Co.

30-40 Lake St., Chicago, Ill.

SELLING AGENTS FOR
ILL., WIS., MINN., IOWA,
N. & S. DAKOTA AND NEBRASKA.

**A complete line of all sizes and repairs constantly on hand.**
**Prompt shipments insured.**

## Kelsey Heating Co., Makers, SYRACUSE, N. Y.

# MOORE'S
## QUICK OVEN STEEL STOVES

# BACKBONE

**THERE'S NOTHING LIKE IT FOR KEEPING THINGS STRAIGHT.**

**In the putting together of *Moore's Quick Oven Stoves,* the flue strips are so attached to the Oven Bottom as to give it a real backbone and a rigid straightness, which you can count on being just the same in ten years as on the day the stove is sold. Our construction is the only one which insures this.**

JOLIET STOVE WORKS,
JOLIET, ILL.

HOLBROOK, MERRILL & STETSON, San Francisco, Sacramento, Los Angeles.

38

# WHITE'S
# Stoves and Ranges
## ARE THE FUEL-SAVING LINE.

The Best Constructions ever offered for the money.

**Have You Tried Us?**

We Use the Best Soft Coal Grate ever made. It is patented, and used exclusively by us.

**Why Can't We Do Business With You?**

Our Special Low Net Price List on our entire line of Steel and Cast Ranges, Cooks and Heaters can be had for the asking. Don't overlook this.

# Thomas White Stove Co.

QUINCY, ILL

# MERIT Gold Coin Steel Ranges

*EMBODY the latest ideas in Steel Range construction.*

*Their perfect nickel ornamentation can be seen by a glance at the illustrations.*

*Every Gold Coin steel range is guaranteed. We back all our goods, and we make goods that we can afford to back.*

**Write us for Catalogue and Discounts.**

# Chicago Stove Works

**Blue Island Ave. and 22d St. CHICAGO.**

Boomer Furnace.

REGARDING

# Boomer Furnaces OR Boomer Steel Ranges.

We want to state in strongest terms possible that if you want the

**Heaviest,**
**Most Durable,**
**Most Economical**

and easiest to take care of Furnace or Steel Range, buy a **Boomer.**

Boomer Steel Range.

**Neither time nor money is spared to make them the Best. Buy Boomers and save your coal bills. We invite investigation.**

THE HESS-SNYDER CO.,
Manufacturers, MASSILLON, O.

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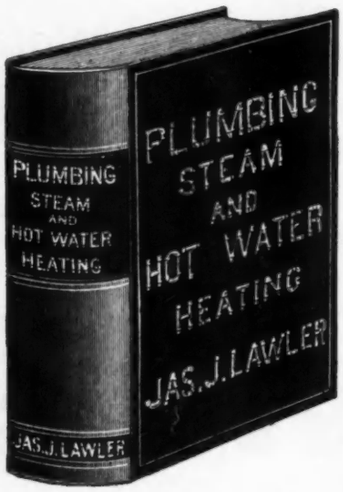
# BRAND STOVE CO.

**We make largest line of cooking and heating apparatus, cast cooks, cast ranges, steel cooks, steel ranges, hotel outfits, heating stoves, furnaces hot water and steam heaters Send for catalogs.**
**MILWAUKEE, WIS.**

# Modern Sanitary Plumbing.




## Steam and Hot Water Heating.

An Encyclopedia or Practical Plumbing and Heating Work. By JAMES J. LAWLER. 400 pages large octavo. Size 6x9 inches. **Price $5.00.** This book is practical throughout. Its aim is to impart information that practical men can utilize in earning their daily bread and butter. It is the ready key to problems arising in sanitary and heating work, and has already taken its place as a leading practical authority in this field.

For Sale By **Daniel Stern,**
**69 Dearborn St.** CHICAGO.

# Ohio and U. S.

## Wrought Steel Ranges

**We are pioneers in steel range business; old in experience yet adopt modern up-to-date methods. Write for our catalog**

**Tinnerman Steel Range Co.,**
**CLEVELAND, O.**

STAR STOVES AND RANGES
ENTERPRISE STOVE CO. VINCENNES, IND.
GUARANTEED

**CATALOGUE SHOWING**

Gas Ranges
Steel Ranges
Cast Ranges
Steel Cooks
Cast Cooks
Cast and Steel Heaters
Hot Plates

WILL BE FURNISHED FOR THE ASKING BY

**Enterprise Stove Co.**
VINCENNES, IND.

**There's Only One**

steel range a dealer can handle on which he can make an argument both as regards PRICE and QUALITY that is the

WILLARD STEEL RANGE

This range sells on its merits at a price that places it within the reach of all.

**Wm. G. Willard, Mfr.**
619-621 N. Fourth St., ST. LOUIS, MO.

**Ideal Knock Down Ovens**
For Gasolene, Oil and Gas Stoves.

We are the largest makers of these goods and have the most complete line.
It is so simple in construction that anyone can put it together in less than five minutes. All parts being interchangeable, repairs can be made at a small expense with little or no trouble.
The ovens are packed each in a tight wooden box, thus protecting them from dust and dirt and the danger of rusting. They require less storage room than the set-up ovens; are more convenient to handle; the danger of damage in transit is practically eliminated and the freight rates are much lower. In the eastern section of the country there are no carload rates provided for set-up ovens.
Lined with tinplate throughout, with mica illumination.
Improved enameled wood handles and turn key, with drop or swing door.
All jobbers handle them.
We invite attention to our New Century ovens. Write for circulars.

**A. Geisel Mfg. Co.**
ST. LOUIS, MO.

LARGE POLISHED STEEL OVEN. MAKERS OF TINWARE AND STERLING ENAMEL WARE. THE HARRY UNNA CO., San Francisco, Pacific Coast Distributors.

**W. ROWE,**
LAURIUM, MICH.,

WRITES:

"Please take out my ad. as Tinner and Plumber, as I have not got time to answer all the letters I am receiving. I could not do without The American Artisan."

**Wm. Matt,**
Fort Dodge, Ia.,

WRITES:

*"Please discontinue insertion of my advertisement in* THE AMERICAN ARTISAN, *as it has done its work wonderfully well. I have had quite a number of replies."*

# FAVORITE STOVES

IF IT'S COOKED
ON A FAVORITE IT MUST BE EXCELLENT

THE ONLY BEST

WE GUARANTEE FAVORITE STOVES AND RANGES BEST IN THE WORLD

LOOKERS, HEATERS AND COOKERS

ASK ABOUT THEM.

**Farwell, Ozmun, Kirk & Co.** ST. PAUL, MINN.

# FAVORITE RANGES

**Registers and Ventilators.**

A Full Line, Unique Designs.

Quality and finish unexcelled. All styles of finish, from Japanned to Gold Plated.

Send for Catalogue:

**The Philadelphia Hardware and Malleable Iron Works**
Philadelphia, Pa.

If you could buy another heater for half as much—

You'd still save money by buying a

# RICHMOND

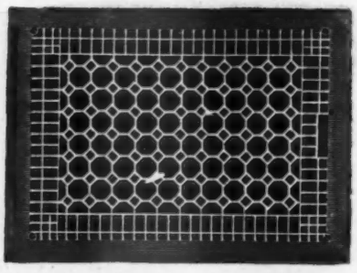
Steam or Hot Water **HEATER**

Catalogue explains how durably constructed and how economical of fuel they are—send for it.

THE RICHMOND STOVE CO., Norwich, Conn.

WESTERN BRANCHES:
Chicago Heater & Supply Co., Chicago. Rumsey & Sikemeier, St. Louis.

**Henry & Scheible Co.**
SUCCESSORS TO T. E. HENRY.
10 Long St. CLEVELAND, O.



ALL SIZES—ALL STYLES OF FINISH. PROMPT SHIPMENTS
Quality and finish unexcelled.

SEND FOR CATALOGUE

What is worth Advertising is worth Advertising well.

VAN LEYEN & HENSLER
DESIGNERS
PHOTO-ETCHERS
WOOD ENGRAVERS
HALF TONE MAKERS
ELECTROTYPERS.
145 Jefferson Ave
Detroit Mich.

**W. A. Brouillet,**
Conrad, Ia.,
*writes, Dec. 11, 1901:*

"Please discontinue my advertisement in THE AMERICAN ARTISAN,—tinners' tools for sale,—as I have had all I can do to answer the letters. THE AMERICAN ARTISAN is certainly used all over and a party can get the best of results in advertising or anything that the trade may wish."

**H. P. Solberg,**
Watertown, S. D.,
Writes:

"Many thanks for my situation wanted adv. I have been flooded with jobs, or rather letters, and will try to pick out a good one."

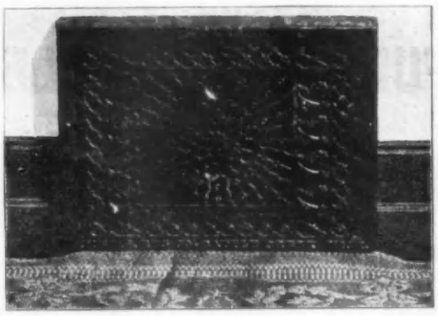
# The JONES Side Wall Register

Reduces the cost of installing Furnaces and increases their efficiency.

***No CUTTING Carpets***
***No SOILED Walls***

The Jones Registers include

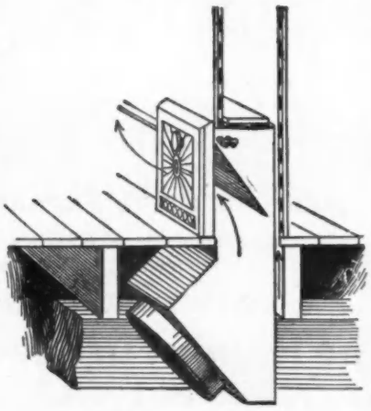
***A Register***
***Register Border***
***A Double Register Box and Deflector***



BATTLE CREEK, MICH., March 10, 1902.
THE U. S. REGISTER CO., Ltd., City.

GENTLEMEN: We wish to express our appreciation of the Jones Side Wall Registers. They are certainly a grand success. In my new house, where my furnace man placed ten of your Registers, and where ten rooms are being heated from five 12-inch basement pipes; the temperature is even throughout, and during the coldest winter weather we had no trouble keeping an even temperature of 72 degrees in every room above the basement, while the thermometer in the basement registered only 56. You can send any one you wish to us to see our registers. They are simply perfection. I am,

Very truly,
C. WYCKOFF.



One 12-inch basement pipe will discharge more warm air into the living rooms, and less will be radiated into the basement, when connected to a No. 15 JONES Register on the first floor, with a wall pipe continuing to a No. 12 Jones register on the second floor, than one 10 in. pipe connected to a common floor register on the first floor and an 8-inch pipe connected to a wall pipe and a 9x12 convex register on the second floor.

***Therefore less cost installing furnaces with JONES Registers and better results from your furnace.***

***GET THE AGENCY NOW***

Descriptive catalogue. prices and testimonials on application.

***The United States Register Co. Ltd., 61 and 63 E. State St., Battle Creek, Mich.***

# "Up Against It:"

**HIGH Priced Material Market,**
**LOW Priced Furnace Market!**

and most manufacturers are "taking it out of the Furnace." You know what that means—POOR GOODS.

Whatever happens, you may be assured that we shall maintain that HIGH QUALITY in Hero furnaces that has won for us so many valued customers. Our prices will always be as low as consistent for quality.

**OUR MOTTO:**
**"The BEST for the Least Possible Money."**

# The Hero Furnace

**(Made in five sizes.)**

**Is the Best for a Cold Climate.**

Has deep ash pit, cup joints, corrugated fire pot and dome. **With reversible flue, heat passes around the radiator twice, and saves fuel.**

**Smith's Triangular Revolving Grates**

have great strength. Each bar is looped separately. The replacing of any bar is an easy matter.

Always satisfactory.
Thousands in use.
There is no furnace that will give better satisfaction than the "Hero."
Suitable for hard or soft coal.
Write us for descriptive matter.

**MANUFACTURED BY**

# Chas. Smith Company

**122 Lake St. CHICAGO.**

# ATTENTION!

IF YOU ARE LOOKING FOR THE AGENCY OF A FIRST-CLASS LINE OF

## FURNACES AND BOILERS

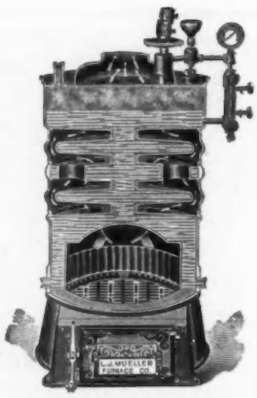
HOW ABOUT THE

# MUELLER?

SUCCESSFUL WHEREVER USED

WRITE FOR CATALOGUE AND PRICES.

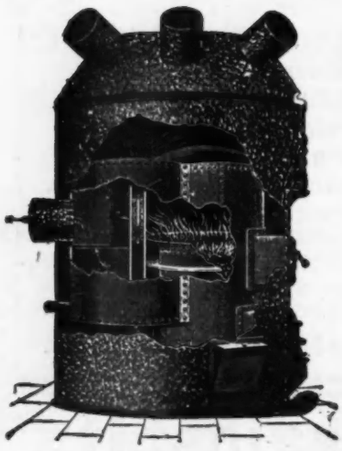
EVERYTHING IN THE HEATING LINE




Established 1857.

## L. J. MUELLER FURNACE CO.

191 REED STREET MILWAUKEE, WIS.



Weir Furnace.

# Weir ALL STEEL GAS AND SOOT CONSUMING Furnace.

**The Heaviest Steel Furnace Made.**

Absolutely gas and dust tight.
A great heat producer, but a fuel saver.

**MADE IN TWELVE SIZES.**

## "The Handy Furnace Pipe"

The saving of labor in putting it up really makes it the cheapest hot air pipe on the market.

**Manufactured by**

## Meyer Furnace Co.

**Send for Catalogue.** **PEORIA, ILL.**

is Absolutely Safe.

Handy Pipe.

# Nightmares

must have been responsible for some of the weird ideas some furnace manufacturers are offering the trade. The **Floral City** line is built on common sense lines, with the points of durability, economy of fuel and satisfactory service constantly in view. Why not write us and secure the agency?

## Monroe Foundry & Furnace Co.,

Monroe, Mich.

# WILSON & LESLIE, SOUTH BEND, IND.,

WRITE:

"We are surprised at the great circulation of THE AMERICAN ARTISAN as we have received letters from a great many different states."

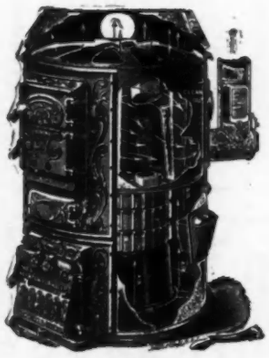
Largest Variety.
Latest Improvements.
Lowest Prices.
Most Reliable and Economical

# 1902 will be a Record Breaker

STEAM HEATER.

# Heating....

# Apparatus

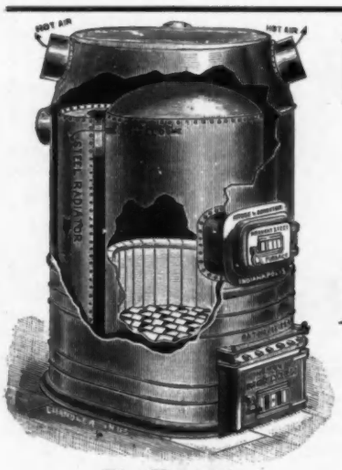

FURNACE.

## Furnaces, Hot Water and Combination Steam Heaters.

A Postal Card will bring to you full descriptive Catalogs, Price Lists and Discounts.

## The Boynton Furnace Co.

207-209 Water Street, NEW YORK 147-149 Lake Street, CHICAGO


The Monarch

# KRUSE & DEWENTER

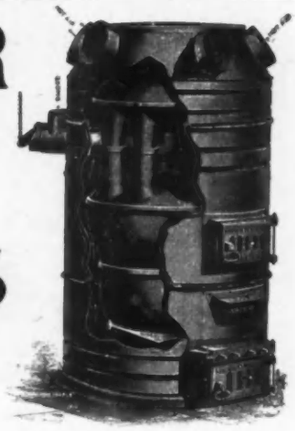
Manufacturers of

Annealed Steel and Cast Iron Warm Air

# FURNACES

427-429 East Washington Street
INDIANAPOLIS, IND.

Write us for complete catalogue and prices


The Globe

# Emperor Furnaces

For Wood

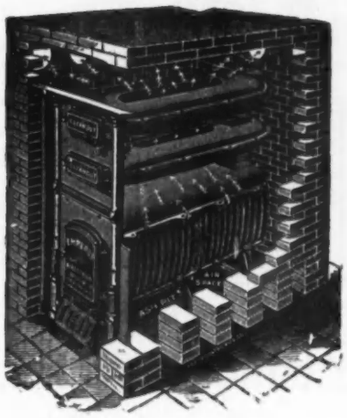
Simple. Safe. Durable.

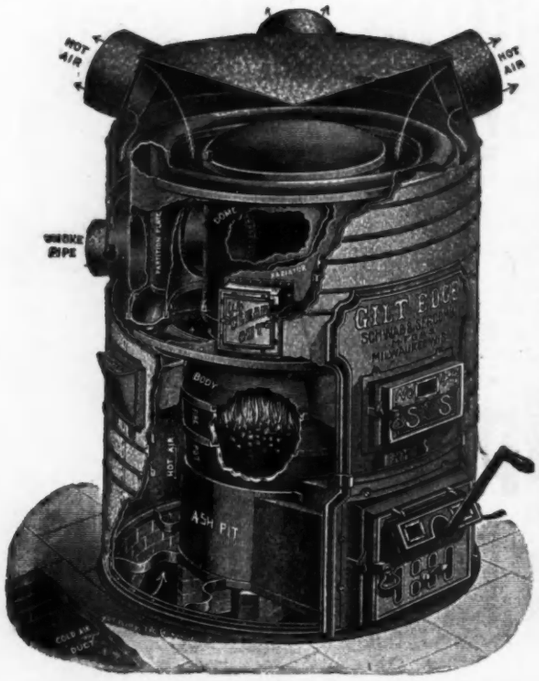
The Best and Cheapest Line of Wood Furnaces.

Furnished for Either Brick or Galvanized Iron Casing. Send for Catalogue.

Bergstrom Bros Co

Neenah, Wis.



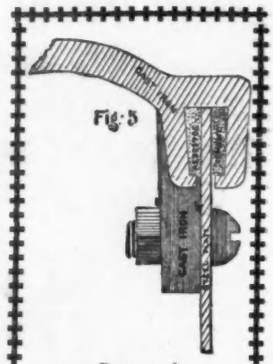



# Gilt Edge Warm Air and Combination Heaters

have merits that are all their own. They are made in a large variety of styles and sizes, each adapted especially to a certain class of fuel. Our line is "gilt edge" in every sense of the word. Every furnace we make is correctly made in accordance with right principles, and the price is right. Kindly write us for catalogue.

## R. J. Schwab & Sons Co.,

**Milwaukee, Wis.**




Patented

The Keystone Joint used on Gilt Edge Furnaces is the only permanent gas-tight steel and cast iron joint on the market.

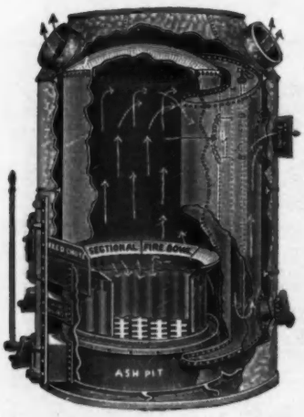
# The Robinson Tubular Warm Air Furnaces

*Are constructed to give the greatest amount of heat from the smallest amount of fuel. These furnaces contain many special features not found in other heaters. These features are original with us and are fully protected by letters patent.*

*Write for catalogue.*

## Robinson Furnace Co.

**Chicago, Ill.**




# The Torrid Zone Furnace

will make you more money than many others.

First, because it gives your customer satisfaction.

Second, it is easily set up and cased.

Third, it has points of merit that others do not have to point out to the customer.

Fourth, the price is right. We give you your choice between a castiron and brick lining at the same price.

Write for catalogue and prices on Hot Air Furnaces and Combination Heaters.

## Lennox Manufacturing Company,

**Cor. 9th Ave. & Frederick St., MARSHALLTOWN, IOWA.**

# IT WOULD REQUIRE

a larger volume than Webster's Unabridged to contain all the names of those who date the turn of fortune's tide in their favor to the day when they first invoked the aid of the types.

# The Etna Furnace

Is the result of twenty years' experience in hot air practice.

The Etna contains many strong, practical features not found in the majority of others. We feel satisfied they will meet the approval of every dealer who has been up against the heating problem and encountered its difficulties. We have smoothed out some of the rough places.

READ THE CATALOGUE. SENT FOR THE ASKING.

## Pittsburgh Stove & Range Company

PITTSBURGH, U. S. A.

# Royal Heaters.

MANUFACTURED BY THE

## HART & CROUSE CO.

UTICA, N.Y.

ALL THE LEADING LINES OF

## STEAM, HOT WATER & HOT AIR,

FOR HEATING ALL CLASSES OF BUILDING.

236 WATER ST. N.Y. BRANCHES. 79 LAKE ST. CHICAGO.
COLUMBUS. O. ST. LOUIS.

## Heating and Ventilating Buildings.

By R. C. Carpenter.

**Price, $3.00**

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## W. J. BINKLEY, BELLEVILLE, KAN.

WRITES:

*"I gain much valuable information from THE AMERICAN ARTISAN and would not think of running a tinshop without it."*


## Persistent Advertising

One who watches carefully the pages of general advertising mediums is struck by two things: the persistency with which those advertisers who are recognized as successful maintain their advertising week after week, month after month, and year after year; they never seem to abate their effort, and apparently the volume of their business increases steadily. The other thing noticeable is the large number of advertisers who thrust their announcements above the surface for a little while and then sink into oblivion. They either had not merit as a basis for their claims or they did not possess the skill to steer their enterprise successfully, or else they lacked the nerve to put forth proper effort.—[*Advertising Experience.*

# ROUND OAK
## STANDARD of AMERICA

### The Round Oak Steel Range

is the kind of a range
you want to sell
to your good
permanent lasting customers.

It is also the
kind of a range
you want
to sell to the man
to whom you have
never sold before.

You want a
good range to sell
to keep the trade
that you have
and bring new trade
to your store.

If everything in your store
was as good
in its way as
the Round Oak steel range
is in its,
you would have
a mortgage
on all
the good trade
in your town.

Suppose you consider this!
Perhaps you can
take it up
and make a successful
"run" with it.

A "Run" by Doe-Wah-Jack

**Estate of P. D. Beckwith,**
**Dowagiac, Michigan.**

**MAKERS OF GOOD GOODS ONLY.**

**ESTABLISHED 1880.**

THE AMERICAN ARTISAN & HARDWARE RECORD

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**PUBLISHED EVERY SATURDAY.**

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**DANIEL STERN, Publisher and Proprietor,**

**69 DEARBORN STREET, CHICAGO, ILL.**

Entered at the Chicago Post Office as Second Class Matter.

**This Paper is a Member of the Chicago Trade Press Association.**

CHICAGO, MARCH 29, 1902.

ON THE great lakes there are signs of an early opening of traffic. Reports of winter traffic show that 180,106 tons were handled, mostly in trans-lake business, during February of this year, as compared with 168,332 tons during February, 1901. For the first two months of this year the freight carried was 363,525 tons, compared with 368,782 tons in 1901.

NEWS comes from Auckland that in the North Auckland district there are almost inexhaustible quantities, easily procurable, of a vegetable substance, evidently the product of the kauri tree. Mr. Travors is manufacturing kauri oil by distillation, obtaining 50 per cent of oil from the material. This has been used in place of linseed oil for painting, with varying success, and its usefulness in the manufacture of varnishes has been proved.

STATISTICIANS have been delving in patent statistics again and have found that Connecticut is leader in number of patents taken out. During the ten years preceding 1900 the average for Connecticut according to the population was one patent a year to every 908 persons. Of all the towns in Connecticut New Britain appears to be the most prolific in the production of patented articles. Since the enactment of the United States patent laws the town of New Britain has produced 1,447 inventions, patented by 344 of her citizens. The town is practically made up of establishments built to manufacture articles invented by its citizens, and there are scores of elegant homes erected out of the proceeds. Some idea of the extent to which the large manufacturers of New Britain appreciate the inventive faculty of their employes and buy up patents can be obtained when it is said that eight of the principal manufacturing concerns in New Britain own and control among them 811 patents. The king of the New Britain inventors is Joseph A. Traut, who has 113 patents to his credit.

**Wise Legislation.**

THE Kentucky legislature has in past years been the scene of disgraceful partisan squabbles, and even of factional homicides. Exaggerated accounts of these disturbances have been printed in sensational newspapers to the commercial detriment of the state. Whatever may have been the foibles of past legislators in the Blue Grass region there is no question but that the last General Assembly of that commonwealth united on broad lines for the industrial development of the wonderful resources of Kentucky in a manner worthy of the emulation of most of our commonwealths. In several of our states the legislature is regarded with more or less justice as a club of expert and remorseless sandbaggers.

Large corporate interests in more than one state can tell of long struggles in smothering unions and inimical legislation often by a resort to tactics that overstep the limits of integrity; the excuse being that only by stooping to questionable methods could they protect their legitimate interests from being ruined by adverse legislation.

The last General Assembly in Kentucky was animated by a genuine devotion to the interests of that commonwealth. The legislators made it their mission to encourage capital to make home investments and to create commercial opportunities through that commonwealth.

Among the bills passed to foster home industrial development are the following:

The passage of the repeal of the "Double" Liability Act upon stockholders in industrial enterprises.

The passage of the act looking to the amendment of the Constitution, restoring to all the cities and towns the right to adjust taxation on industrial enterprises for local purposes only as they may deem in their own interest, with due regard to the encouragement of the development and extension of these enterprises.

The passage of the Agricultural Fair act, which will materially encourage the live stock interests of the state (by the offer of liberal premiums by the state), an interest in which Kentucky has for years occupied a first place. In addition to the enactment of the foregoing measures, the course of the legislature in refusing to enact the unwise and unbusinesslike measure known as the "Texas" Anti-Trust law (which has not proven particularly helpful to the Lone Star commonwealth) and the proposed tax on mortgage bonds made by non-resident capitalists, and the repeal of the McCain law, which was considered as restrictive and injurious to tobacco interests—all indicate careful consideration given to and a progressive interest in the business interests in that state, which cannot fail to be productive of renewed spirit of enterprise and progress in all of our business affairs.

The five years' exemption from all local taxation in the towns and cities in the state, now authorized by the Constitution of Kentucky, will be made use of on every hand in attracting capital into the state for the upbuilding of industrial enterprises.

The matters of legislation above referred to give Kentucky a clear field for a fair and successful competition with the other states—to which is to be added the advantages of their great resources, viz., coal fields

almost unlimited, equal to those of all Great Britain; fine timber, hardwood and others in abundance; iron, claimed to abound in not less than thirty counties in the state; oil discoveries, now promising rich results; fine agricultural advantages—and such waterways as the Ohio, the Mississippi, the Tennessee, Big Sandy, Kentucky, Green and Cumberland rivers, and smaller streams traversing the state. These ought all to successfully attract large investments of capital in Kentucky. Wonderful opportunities for investment in different parts of the state are open—properties which may be had at present at merely nominal prices, with wealth of coal, timber and iron—properties which only await openings of transportation facilities to yield great wealth.

Kentucky is to be congratulated upon the general course of the last General Assembly. Kentuckians should push their state now to the front by enterprise and development of our home interests, and by an unfailing interest in the effort to attract outside capital and desirable immigration to join forces with them for Kentucky's welfare.

This vista of industrial expansion opened up by the judicious legislation of a single session of the General Assembly of the state contains an obvious moral for the business men in all states, as it emphasizes the necessity of picking out legislators possessing breadth of economic vision and unswerving integrity.

It is pleasant to all of us to see our party holding the reins of power in state affairs, but it is folly to allow men of questionable morality to squirm into office under the cloak of partisan enthusiasm.

There is need of the iconoclast in legislative circles to hurl down noxious special privileges and break into pieces the partisan management of public institutions, and good citizens in their disgust at political corruption generally turn to some man possessing a turbulent integrity as the successor of a venal solon.

These agitators against the infamy of their predecessors generally prove disappointments as they rarely possess constructive ability and content themselves rather with declamations against past abuses, personal invective and partisan tirades rather than with the development of the industrial resources of their respective commonwealths.

Such necessary development is best handled by business men and the same impulse that leads a business man to act as an official in a state association of men in his line of commercial endeavor for the common betterment of all should also lead him to interest himself in securing men of commercial acumen rather than partisan heelers as members of the legislative body of his state.

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THE February summary of internal commerce, issued by the Treasury Bureau of Statistics, reports the progress of trade movements in the different parts of the United States for the first two months of the calendar year. These figures are gathered through the co-operation of the commercial organizations, trade periodicals and transportation companies, and present from month to month records in comparison with the corresponding period for the preceding year. The receipts of wheat, for example, at the four leading spring wheat markets for the seven months of the crop year ending with March 1, 1902, were 144,889,226 bushels, compared with 107,759,027 bushels for the corresponding period of the preceding year. This increase has given a decidedly stronger impulse to traffic and values throughout the entire northwest, where a return to good harvests has stimulated immigration to an extraordinary extent.

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## RANDOM SKETCHES.

BY SIDNEY ARNOLD.

The retail hardware business must be booming in Ohio, as from the Toronto (Ohio) Tribune of March 19th, I learn that "The Toronto Hardware Company to-day sold a top buggy and an oil wagon to Sutton Bros. of Turkeyfoot."

I am looking forward to next week's issue of this country journal as its able staff with their keen nose for news may ferret out a few items like the following for the edification of their readers:

"Rube Highfarm of Chicken Hollow was in town to-day and bought a spade, lawn mower and keg of nails of the Jones Hardware Co."

"Business is brisk at Bill Johnson's retail hardware emporium, for as we go to press we learn that he has not only sold the Widow McCarthy a 75c. dog collar and a sure-catch mouse trap, but also supplied Master John Harris, the hopeful son of Constable Harris, with a bicycle pump, the cash register showing the 25c. slip as the little fellow, holding the pump gracefully in one hand, swung into the seat of his trusty wheel and pedaled off toward the setting sun and the humble but happy Harris homestead."

"Visitors to the municipality who stroll down Main street will look in vain for the copper-bottomed wash boilers which so long adorned the front window of the Cash Hardware Co.'s handsome store, for last Tuesday evening Mrs. Olson, wife of Ole Oleson, who lives at Duckhead Junction and occupies a position in the road grading department of the Ohio, Indiana & Peoria R. R., entered the store, and after carefully counting out two silver dollars, a crisp dollar bill and two jingling quarters, secured permanent possession of this gem of the metal workers' art."

* * *

THESE are days when one must be prepared to believe anything. The aboriginal courier who took a package of fruit from one Spanish mission to another and with it a note stating that Father Xavier herewith sent Father Hyacinthe forty-eight pineapples, was stricken with terror when told, on reaching his destination, that the "paper" accused him of purloining three pineapples on the way. He grovelled in the sand before the mysterious parchment which could thusly spy on his misdemeanors. His wonder was increased on the return trip, for when tempted to eat a few of the luscious bananas Father Hyacinthe sent to Father Xavier, he first buried the prying letter deep in the ground, covered it up and rolled a heavy stone over it. Then he retired behind a dense thicket and ate some of the fruit, after which he dug up the paper and proceeded on his way. That weird, flat piece of birch bark was

certainly mesmerized, for it told Father Xavier all about his appropriation of fruit that was not his. Henceforth pilfering Lo had a marvelous belief in the mysterious powers of white paper and birch bark.

It's different nowadays. I do not believe many hardware men would expire from heart disease if an airship should alight in front of their store, nor if a method of the aerial transmission of packages should suddenly consign the delivery wagon and the freight car to a common scrap heap. It took a long time for Galileo to impress upon a skeptical world the fact that this world is round, but only a few months ago the world, with simple placidity, accepted as facts the astounding results of Marconi's experiments. People look on a man who is surprised as an old fogy. The world has evidently resurrected the Horatian motto of *nil ad mirari* as the blazer of its scientific trials.

However, I was surprised the other day to pick up a copy of the National Geographical Magazine and read about a country where wild raspberries, red currants, blueberries and cranberries will be found in profusion. In places the grass grows as high as a man's head. In thirty or forty places along the coast, and at many points in the interior, practically all of the cereals of the temperate zone, most of the vegetables and a considerable variety of cultivated flowers have been grown with much success for several years. Fine spring wheat has been raised for three years past. Barley sown in May of 1901 was ripe by the middle of August. Oats and potatoes thrive in many places. Cattle are kept at nearly every settlement. This country can furnish homesteads of 320 acres each to 200,000 families, and she has abundant resources to support a population of at least 3,000,000 persons.

The name of the country, you ask? Alaska.

* * *

TRUTH is stranger than fiction, it is said, and the news told me the past week by a traveling man who makes western Wisconsin would seem to bear this out. "The similarity in the lives of William and Henry Marriott seems to have followed them even to the portals of another world. Too often one sees brother arrayed against brother, commercially at least, and the first murder, as we all know, was that of one brother by another. These two prosperous hardware dealers were partners in the city of Baraboo for over twenty years, and the way they got along without a particle of friction was a beautiful sight to see. Day after day they lived, each sufficient unto the other, and each loyal and steadfast to the other's interests. When the elder brother was stricken with pneumonia and died, the younger seemed dazed. He could hardly grasp the fact of the separation, and there is no doubt in my mind that his stolid but bitter grief over the rude breaking of the ties of a lifetime weakened his powers of resistance and made him an easy prey to the same disease that struck his brother down. It was not a week since the people of Baraboo were shocked to learn that one who had done business for a score of years in their midst in such a manner as to inspire the respect of all had passed away before the news came that the brief separation between these sons of the same parents and lifelong business associates was over, and they were partners again in the bourne from which no traveler returns. United in childhood, in business and social life and in death—such is the record of these hardware dealers, late of Baraboo, Wis."

* * *

THE fire patrol reports from Philadelphia during the year 1901 state that defective flues caused 244 out of 3,017 fires in that city. That there should be so many fires from this source is a sad commentary on the slovenly work of masons and the gross neglect of duty by building inspectors. There is also a lesson in these figures for the stove trade. Stoves are not made to adapt themselves to defects in chimney construction, and it is highly creditable that so many of them do so, though, of course, at the cost of an impaired efficiency. The idea underlying stove construction is, of course, that it will have a sufficient draft, and where this is lacking people have "trouble with the stove." The interior of a chimney is a hard place to inspect, and hence offers an inviting field for slovenly and neglected work.

Unhappily, the incompetent or careless bricklayer is not called to task for this state of things. It is the poor stove man who sells the stove which is connected to this chimney whose shoulders must bear the wrath of the indignant householder. With fierce dudgeon they order him to take his stove and begone and airily refuse to listen to his explanations as to the cause of the trouble.

If the stove dealer is a green hand he passes the stove with a second-hand tale of trouble back to the maker. If he has been through similar cases before he takes time to make a few simple experiments to test the construction of the chimney and as a rule he will be able to demonstrate to the angry householders the existence of a defective flue.

It would seem to a layman that it would not be such a difficult task to build a satisfactory chimney, but in actual practice there are many defective flues.

* * *

THE world's sugar production has grown from 1,150,000 tons in 1840 to 8,800,000 tons in 1900. During the same period the world's population has grown, according to the best estimates, from 950,000,000 to about 1,500,000,000. Thus, sugar production has increased about 650 per cent, while population was increasing but about 50 per cent. Coming nearer home and considering the United States alone, it is found that the consumption of sugar, which in 1850 was only 22 pounds per capita, was in 1901 over 68 pounds per capita. One especially striking fact in this connection is the rapidly increasing proportion of the world's enlarged sugar consumption which is supplied by beets. According to the latest statistics, beets, which supplied in 1840 less than 5 per cent of the world's sugar, in 1900 supplied 67 per cent of the greatly increased consumption; while cane, which then supplied 95 per cent of the world's sugar consumption, now supplies but 33 per cent. Stated in quantities, it may be said that the world's cane sugar supply has grown from 1,100,000 tons in 1840 to 2,850,000 tons in 1900, an increase of 160 per cent, while that of beets has grown from 50,000 tons in 1840 to 5,950,000 tons in 1900, an increase of 11,800 per cent.

# News Siftings.

It is said the United States Steel Co., are contemplating taking over the American Can Co.

The Eureka Steel Range Co., capitalized at $5,000, has been incorporated at O'Fallon, Ill.

It is reported that the oil stove factory of Julius Louis, New Albany, Ind., will shortly be placed in operation again.

On March 23d the 150 merchants in Point Coupe parish, New Orleans, were all arrested and fined $25 each for violation of the Sunday law.

The Gurney Stove Works will move their entire plant to Toronto Junction, Canada, where they will occupy some twelve acres of ground.

On March 21st the plant of the Chesapeake Stove Co., Baltimore, Md., was sold at auction to Samuel R. Wood for $3,750, subject to a mortgage of $23,285.

The reports alleging that the United States Steel Corporation contemplated a general advance of steel prices to take effect April 1 have been authoritatively denied.

A curious phase of the heavy prevalent demand for iron and steel is shown in the recent importation of 10,000 tons of pig iron from England by Pittsburg manufacturers.

It is said that an important centralization of nickel-producing interests is being effected and that Col. Robert M. Thompson and others have secured control of practically one-half of the world's production of nickel.

H. A. Monath of Homestead is president, M. F. Risher of Hays is secretary and treasurer of the Keystone Foundry & Mfg. Co., McKeesport, Pa., capitalized at $15,000 for the manufacture of stoves and ranges.

The Columbus Bolt Works, Columbus, Ohio, are manufacturers of a complete line of bolts, nuts, washers, turnbuckles, bridge and roof rods, bolts and all kinds of carriage forgings. They are in a position to make shipments promptly.

Geo. Elliott of the Highland Foundry Co., Boston, Mass., was a recent caller at THE AMERICAN ARTISAN office. Mr. Elliott has been with this company since its inception, and is a popular member of the stove fraternity. His range of friends is an unusually wide one.

The Bridgeport Crucible Co., Bridgeport, Conn., are manufacturers of Champion stove clay, the only stove lining made of crucible materials, it is claimed. It is packed in 2½ lb., 6 lb. and 10 lb. pasteboard boxes and also in bulk, and is the best and most refractory lining made.

The American Stove Range and Foundry Co. have been organized at Memphis, Tenn., with a capital stock of $120,000 to carry on the business formerly conducted by the South Pittsburg Stove Works, South Pittsburg, Tenn. C. C. Huntington is president, T. G. Garrett is vice-president, and John J. Bowers is secretary-treasurer of the new concern, which will have a capacity of 40,000 stoves per annum.

E. M. Mabie, George & Maguire, Edward R. Dean, Herbert D. Cohen and Nathan F. Griffin are the incorporators of the Boston Steel & Iron Co., Medford, Mass., capitalized at $1,000,000. This firm will take over the business of the present Boston Steel & Iron Co., manufacturers of architectural steel.

The A. Geisel Mfg. Co., St. Louis, Mo., are meeting with heavy sales of their "New Century" nestable oven. The heat deflecting plate is double and is lined with mineral wool, and a band of several inches of asbestos on each side of the oven insures an even distribution of the heat. It will take a pan measuring 9x12 inches.

W. Jay Barber, Honeoye Falls, N. Y., was a recent caller at THE AMERICAN ARTISAN office. Mr. Barber is manufacturer of the Pan-American stove leg and caster. It is simply constructed with the caster as a part of the leg, and will not get out of order. A lever forces the caster down and raises the stove up. The lever does not protrude, but lies flat in its socket.

Several changes have been made in the *personnel* of the officials of the Bridge & Beach Mfg. Co., St. Louis, Mo., on account of the recent death of Geo. H. Holland. The officers recently elected for the ensuing year are as follows:

Hudson E. Bridge, president and treasurer.
Ralph S. Buck, vice president and manager.
Wm. McCalpin, second vice president and secretary.

## COOKING MADE EASY.

The Standard Lighting Co., Cleveland, Ohio, send us a little booklet entitled "Cooking Made Easy." This shows cuts of various of the "New Process" gas ranges and also gives recipes for a large number of delicious dishes, such as cornmeal souffle bread, cheese canapes, croustades, braised beef, chartreuse of rice and meat, scalloped onions, tomato jelly salad, cornmeal custard, etc.

The New Process gas range has superior insulation. The oven is completely surrounded by two thicknesses of steel, a heavy wall of asbestos and a dead air space outside the heat flue. All "New Process" ranges are equipped with reflex ovens. The special construction of flues equalizes the distribution of heat in all parts of the oven, so that it bakes evenly at top, bottom and center. Dealers handling these ranges will find these booklets very acceptable to their trade. When writing this firm kindly add: "Saw it in THE AMERICAN ARTISAN."

## ANNUAL CONFERENCE.

On March 27 the representatives of the Stove Founders' National Defense Association and the Iron Molders' Union of North America met at the Auditorium Hotel, Chicago, to arrange the wage scale for the ensuing year.

In spite of the fact that the molders are receiving 15 per cent higher wages than in 1888, they asked for a 10 per cent increase in wages.

# The Hardware Record.

**American Hardware Manufacturers Association.**
Pres., Fayette R. Plumb, Philadelphia.
V.-Presidents, Samuel Nicholson, Providence; C. S. Van Wagoner, Cleveland. F. S. Kretsinger, Fort Madison, Ia.
Secy-Treas., F. D. Mitchell, Pittsburg.
Ex. Com., Robert Garland, Chairman, Pittsburg, Henry B. Lupton, Pittsburg; N. A. Gladding, Indianapolis; W. S. McKinney, Allegheny, Pa.; Samuel Disston, Philadelphia; C. E. Adams, Cleveland; James P. Kelly, Alexandria, Ind.; J. C. Birge, St. Louis.

**Arkansas Retail Hardware Dealers' Association.**
Pres., John M. Pitman, Prescott.
1st V.-P., J. F. Maxey, Ozark.
2d V.-P., T. B. Stewart, Newport.
Secy-Treas., J. A. Plummer, Marianna.
Ex. Com., H. Williams, Hot Springs; J. H. Boicourt, Little Rock; J. W. Lee, Fordyce.

**Chicago Retail Hardware Dealers' Association.**
Pres., D. McLaughlin.
V.-P., H. E. Gnadt.
Sec., G. R. Lott.
Collector, John Hora.
Treas., J. L. Smith.

**Hardware Merchants' and Manufacturers' Association of Philadelphia.**
Pres., William C. Peters.
V.-P., Thomas Devlin.
Sec.-Treas., T. James Fernley.
Directors, W. W. Supplee, H. McCaffrey, E. S. Jackson, W. C. Peters, S. Disston, E. Fisher, J. H. Ritter, T. Devlin, T. J. Fernley.

**Illinois Retail Hardware Dealers' Association.**
Pres., H. G. Cormick, Centralia.
V.-P., D. Holder, Bloomington.
Sec., L. H. Clark, Rockford,
Treas., F. F. Porter, Chicago.
Ex. Com., H. G. Cormick, Centralia; D. Holder, Bloomington; L. H. Clark, Rockford; F. F. Porter, Chicago; Z. T. Miller, Bloomington; W. T. Gormley, Chicago; H. N. Murphy, Galesburg; C. Mauer, East St. Louis; R. G. Scheurer, Vandalia; F. W. Siecke, Freeport.

**Indiana Retail Hardware Dealers' Association.**
Pres., W. P. Lewis, New Albany.
V.-P., Jas. L. Fulton, Portland.
Sec. and Treas., M. L. Corey, Argos.
Members Ex. Com., I. A. Sibley, South Bend; E. M. Bush, Evansville; W. H. Weed, Vincennes.

**Indian Territory Retail Hardware Association.**
Pres., Geo. W. Mowbray, Tulsa.
1st V.-P., J. G. Smith, Canadian.
2d V.-P., Fred Parkinson, Wagoner.
Treas., Sam R. Frazee, Vinita.

**Iowa Retail Hardware Dealers' Association.**
Pres., W. A. McIntire, Ottumwa.
V.-P., J. Seither, Keokuk.
Sec., W. H. Keating, Ottumwa.
Treas., Geo. Lister, Manchester.
Ex. Com., J. Seither, Keokuk; Clarence Phillips, West Liberty; L. Lindenberg, Dubuque; T. J. Lomas, Cresco; C. F. Schmidt, Marshalltown; Homer Duncan, Albia; L. H. Kurts, Des Moines; C. R. Keating, Mt. Ayr; Chas. Swaine, Council Bluffs; H. S. Vincent, Ft. Dodge; W. H. Millard, Cherokee.

**Kansas Hardware Dealers' Ass'n.**
Pres., Oscar Roehr, Topeka.
V.-Pres., E. J. King, Logan.
Sec'y-Treas., J. A. Cole, Topeka.
Ex. Com., F. W. Bartlett, Kansas City; T. H. Kiniry, Beloit; J. M. Walters, Robinson; J. H. Hamilton, Arkansas City; T. J. O'Neil, Osage City.

**Kentucky Retail Hardware and Stove Dealers' Association.**
Pres., W. T. Oldham, Mt. Sterling.
1st V.-Pres., J. L. Malin, Vine Grove.
2nd V.-Pres., W. S. Schacklett, Fulton.
Sec., Paul Wagner, Louisville.
Asst. Sec., Joseph C. Kirchdorfer, Louisville.
Treas., Henry Heick, Louisville.

**Michigan Hardware Association.**
Pres., H. C. Minnie, Eaton Rapids.
V.-P., Geo. W. Bruske, Saginaw.
Sec'y-Treas., H. C. Weber, Detroit.
Assistant Sec., C. A. Day, Detroit.
Ex. Com., Samuel Winchester, Jackson; Fred S. Cook, Fowlerville; C. E. Pipp, Otsego; A. Harshaw, Delray; A. J. Scott, Marion City; James J. Potter, Alpena; Jno. W. Jochin, Ishpeming; Robt. G. Chandler, Coldwater; John Popp, Saginaw, F. Carlton, Calumet.

**Minnesota Retail Hardware Ass'n.**
Pres., W. H. Tomlinson, LeSueur.
V.-P., H. S. Cleveland, Minneapolis.
Treas., W. E. Barto, Long Prairie.
Sec., T. McCracken, Minneapolis.
W. H. Tomlinson, LeSueur; H. S. Cleveland, Minneapolis; F. E. Hunt, Red Lake Falls; Benj. F. Kernkamp, St. Paul; A. C. Hatch, Battle Lake. Jos. Mason, St. Peter; C. F. Ladner, St. Cloud; J. Schmidt, Wabasha; E. H. Loyhead, Faribault; A. T. Stebbins, Rochester; J. McGuire, St Paul.

**Missouri Retail Stove and Hardware Dealers' Association.**
Pres., Tayler Frier, Louisiana.
V.-P., Ed L. Wachter, St. Louis.
Sec.-Treas., F. N. Neudorff, St. Joseph.
Ex. Com., J. W. Poland, Carrolton; F. A. Kannsteiner, St. Louis; Frank Mayer, Macon.

**National Hardware Association.**
Pres., R. A. Kirk, St. Paul.
1st V.-P., John C. Koch, Milwaukee.
2nd V.-P., Brace Hayden, San Francisco.
Sec.-Treas., T. James Fernley Philadelphia.
Ex. Com., W. K. Belknap, Louisville; Samuel A. Bigelow, Boston; P. E. Strauss, Boston; J. D. Moore, Birmingham; R. M. Dudley, Nashville; W. S. Wright, Omaha.
Advisory Board, W. W. Supplee, Philadelphia; H. H. Bishop, Cleveland; John Bindley, Pittsburg; R. W. Shapleigh, St. Louis.

**National Retail Hardware Dealers' Association.**
Pres., H. G. Cormick, Centralia, Ill.
V.-P., C. N. Barnes, Grand Forks.
Sec., M. L. Corey, Argos, Ind.
Treas., W. Bogardus, Mt. Vernon.
Members Ex. Com., W. P. Bogardus, Mt. Vernon, O.; O. P. Schlafer, Appleton, Wis.; C. F. Ladner, St. Cloud, Minn.; W. A. McIntire, Ottumwa, Ia.; Sharon E. Jones, Richmond, Ind.

**North Dakota Retail Hardware Dealers' Association.**
Pres., H. N. Joy, Hamilton.
V.-P., H. F. Emery, Fargo.
Sec., C. N. Barnes, Grand Forks.
Treas., W. H. Pinkerton, Lakota.
Ex. Com., H. Harrington, Fargo. W. W. Jamieson, Wahpeton; Anton Enger Cooperstown; Frank Lish, Dickinson; H. F. Strehlow, Casselton. I. L. Newgard, Grafton.

**Ohio Hardware Association.**
Pres., W. P. Bogardus, Mt. Vernon.
V.-Pres., L. F. Stahler, Waverly.
Corres. Sec., D. R. Burr, Piqua.
Fin. Sec., Will C. Jones, Columbus
Treas., H. A. Waller, Ravena.
Ex. Com., J. B. Carson, Hamilton; C. D. Cussins, Columbus; C. W. Jewell, Utica; M B. Tallmage, Mt. Gilead; H. F. Rahe, Cleveland; J. Rohrbacher, Akron; A. H. Strome, Wausau; Geo. B. Meyer, Cincinnati.

**Pennsylvania Retail Hdw Ass'n.**
Pres., Geo. L. Moore, Brownsville
V.-P., Geo. J. Rudolph, Pittsburg.
Sec'y, J. F. Frye, Charlerol.
Treas., B. A. Maggine, Braddock.
Ex. Com., A. L. Casselbury, Pittsburg; E. E. Lyon, Greensburg; C. N. Savage, California; B. A. Maggine, Braddock; C. O. Shroyer, Dawson.

**Philadelphia Hardware Ass'n.**
Pres., Julius M. Aff.
V.-P., C. F. Geissler.
Sec., T. B. Hendricksen.
Treas., Edward H. Shannon.
Trustees, Frank Schmidt, Aaron I. Sanson, Jr., Lewis C. Glading.

**St. Louis Stove Dealers' Ass'n.**
Pres., F. A. Kansteiner.
1st V.-P., Aug. Steinmeyer.
2d V.-P., Aug. Gruendler.
Sec., A. F. Geschwindner.
Treas., L. J. Boehl.

**Southern Hardware Jobbers' Ass'n.**
Pres., J. D. Moore, Birmingham.
1st V-P., F. A. Heitman, Houston,
2d V.-P., Bruce Keener, Knoxville,
Sec., C. B. Carter, Knoxville, Tenn.
Ex. Com., W. M. Crumley, Atlanta, Ga.; O. B. Barker, Lynchburg. Va.; Chas. H. Ireland, Greensboro, N. C.; B. F. Eshleman, New Orleans,

**Texas Hardware Jobbers' Ass'n.**
Pres., F. A. Heitman, Houston.
1st V.-P., J. C. Bering, Houston.
2d V.-P., Ed. Strauss, Waco.
Sec.-Treas., Robert Eikel, Houston
Ex. Com., Jas. Moroney, Dallas; R. F. Bell, Weatherford; W. L. Sanford, Sherman; A. E. Goeth, Austin.

**Wisconsin Hdw Dealers' Ass'n.**
Pres., O. Schlafer, Appleton.
V.-Pres., L. Findiesen, Green Bay.
Sec'y-Treas., C. A. Peck, Berlin.
Ex. Com., J. Kornelly, Milwaukee; E. H. Ramm, New London; A. Noll, Chilton; H. L. McNamara, Janesville.

Mueller & Brown are new Abilene, Tex., hardware dealers.

A. De Bey will shortly open a hardware store at Rock Valley, Ia.

Geo. Curtis has retired from the hardware business at Nappanee, Ind.

The Missoula Hardware Co. is a new Missoula (Mont.) concern.

E. W. Boyce has retired from the hardware business at Paxton, Ill.

Geo. J. Frank will open a new store at Bay City, Mich., on April 15.

O. E. Champ, Hastings, Neb., has sold his hardware stock to Stein Bros.

Elgin & Branbee put up a hardware store at Mendon, Mich., recently.

J. T. Goodfellow, Cleveland, N. Y., is selling out his hardware business.

S. D. Baxter succeeds W. T. Peter in the hardware business at Algonquin, Ill.

W. M. Orr succeeds W. M. Orr & Co. in the hardware business at Tabor, Ia.

J. T. Simpson has sold his hardware business at Holton, Kan., to L. W. French.

Lewis & McKee, Oxford, Miss., hardware dealers, were visited by burglars recently.

Kimball & Strong have bought out F. S. Ingersol's hardware store at Madison, Ohio.

Eich Bros., Bonaparte, Ia., will remodel their present hardware building at that point.

Geo. Haw & Co. are succeeded in the hardware business at Ottumwa, Ia., by Haw Bros.

The Horse Nail Co., Hoopeston, Ill., are erecting an addition 50x175 feet in dimensions.

Permann & Ehresmann, Tripp, South Dakota. hardware dealers, were burglarized recently.

Walter Rice, a Lovilla (Ia.) hardware dealer, has moved into new and improved quarters.

The Henry Mohr Hardware Co., capitalized at $20,000, is a new Tacoma (Wash.) concern.

J. H. McSherry has succeeded Lewis Smith in the hardware business at Abbeyville, Kansas.

L. R. Miles & Co., Milford, Ind., hardware dealers, have sold out to Amos and Jacob Stump.

Somers & Boldt have succeeded Geo. L. Allen in the hardware business at Edgerton, Minn.

It is said that Adolph Kastor & Bros. are about to erect a large knife factory at Camillus, N. Y.

Weaver & Callahan, Montoursville, Pa., hardware dealers, are making an addition to their store.

J. W. McCammon has purchased an interest in the Baxter Hardware Co., at Baxter Springs, Kan.

William G. McLean, a Waterville (N. Y.) hardware dealer, has been elected president of that village.

Kubias & Martinek, general hardware dealers at Cedar Rapids, Iowa, have dissolved partnership.

Sweet & Browning, Concordia, Kansas, are erecting a new building, which they will devote to wholesale hardware.

A. L. White, Ames, Iowa, who succeeded Swank & White, is trying to push the business to the front.

Charles T. Wilson has opened a tinware store at Libertytown, Md.

John Kegie, a Mahanoy City (Pa.) hardware dealer, was victim of a fire which took place in that city on March 19.

Fred Maus of Kelly, Maus & Co., Chicago, has returned to his office invigorated after a Southern trip for his health.

E. W. Powers, Lohrville, Iowa, contemplates building a new brick store, 25x100, two stories and basement this summer.

One of the Messrs. Crary, of Crary Bros., Boone, Iowa, is spending the winter in California and will return about May 1.

S. E. Villard, formerly of Apple Creek, O., succeeds Carter & Wise in the hardware and stove business at New Washington, Ohio.

J. B. Atkins & T. C. Bennett have sold their interest in the Milton Hardware Co., at Memphis, Mo., to U. G. Rice and O. E. Rowland.

Samuel Seiler, a Peoria hardware dealer, filed a petition in bankruptcy on March 19, with liabilities of over $8,000 and assets of $11,787.

Walter K. Mills, Geo. M. Ludlow, and Wm. E. Ludlow are the incorporators of the Self-Heating Sad-Iron Co., Chicago, capitalized at $10,000

Osborne & Stevenson, Plainville, Conn., manufacturers of small hardware specialties, are erecting a new factory two stories high and 45x70 feet in dimensions.

J. E. Van Gorder, Frank L. Bigham, W. D. Boots, R. T. Brown and James Martin are the incorporators of the Bigham Hardware Supply Co. of Ellwood City, Pa.

L. H. McCurdy, the hardware man, of Lohrville, Iowa, who has been away looking for a change of climate, has just returned home somewhat improved in health.

W. L. Johnson, Rockwell City, Iowa, contemplates closing out his hardware stock, making alterations in his double store and going more largely into the general trade.

R. A. Kirk of Farwell, Ozmun, Kirk & Co., the St. Paul hardware jobbers, is enjoying a southern trip taken for needed rest and recreation. He is at present at Hot Springs, Ark.

A recent fire in New York city recently did damage to the extent of $5,000 to the stock of Surpless Dunn & Co., hardware dealers. This loss was occasioned by smoke and water.

C. M. Traver starts with a new stock of hardware and stoves in Conneaut, Ohio. Mr. Traver is a veteran hardware man, being in business at Conneaut, Ohio, up to about three years ago.

Messrs. Klore & Klore, Nevada, Iowa, who succeed Dodge & Klore, are brushing up the old business, making a strong, aggressive fight for the trade, and with youth and vim are bound to win out.

Fred Haberman, Cora B. Haberman, H. A. Ammann, Gertrude A. Ammann, and H. E. Haberman are the incorporators of the Haberman Hardware Co. of Marion, Ohio, capitalized at $25,000.

C. H. Carter, with the Lee-Glass Andreesen Hardware Co., Omaha, Neb., who has been confined to the hospital for the past three weeks, where he submitted to a serious surgical operation, is out again.

W. H. Thibert, Alex. C. Young, Eusebius W. Arrowsmith, Jr., and Eugene F. Smith, Jr., are the incorporators of the Universal Cuspidor Co., capitalized at $100,000 for the manufacture of sanitary cuspidors.

Henry C. Weber & Co., Detroit, hardware dealers, have secured the contract for outfitting the steamers "Eastern States" and "Western States." This contract will include ranges, urns, bake ovens, kitchen utensils, etc.

The Reeves Pulley Co., 68-70 South Canal street, Chicago, send us a circular showing the Reeves patent woodsplit pulley clutch. Every clutch is split throughout and can be placed in position without taking down the shaft.

The Woodward Iron & Hardware Co., Cairo, Ill., has been succeeded by the Woodward Hardware Co., capitalized at $50,000. W. J. Johnston, M. H. Farrin, T. P. Gooding, H. T. Moore, and H. E. Spaulding are the directors.

Geo. N. Logan of Logan & Gregg, wholesale hardware dealers at Pittsburg, has been appointed a member of a special committee of five by the Pittsburg Chamber of Commerce to bring about legislation in behalf of the new Greater Pittsburg.

G. W. Wolbert, who has been with the C. W. Hackett Hardware Co. of St. Paul for over twelve years, has resigned his position with that company, and will hereafter travel through North Dakota in the interests of the Simmons Hardware Co. of St. Louis.

The Nut and Bolt Makers' Association held a meeting at the Waldorf Astoria Hotel, New York, March 30, and decided upon a further advance in the price of bolts. The latest advance is about 5 per cent on all varieties of bolts and 1-10 to 2-10c. on nuts.

J. E. Pumphrey, of the Standard Chain Co., who made a record as a crack shot at the rifle tournament following the convention of the Southern Hardware Jobbers' Association at Asheville last June, is at present spending a brief vacation at Hot Springs, Ark.

Philip Held & Son, Hamilton, O., hardware dealers, are alleged to be victims of the thefts made by Jacob Seiler, a carpenter, who recently placed shelving in their store, and while there filled his tool box night after night with choice hardware from their shelves.

Johnson Bros., who lately bought the hardware business of H. H. Hill, Gowrie, Iowa, succeeds him under the firm name of Johnson Hardware Company. They contemplate sundry changes, which will be added and also needed room. This is another case of new life in the business.

In our last issue we chronicled the death from pneumonia of Henry Marriott of Marriott Bros., Baraboo, Wis., hardware dealers. Last Wednesday his brother, William Marriott, the junior partner of this

firm, also died from the same disease. These brothers have been partners in the hardware business at Baraboo since 1880.

W. W. Wheeler, the hustling hardware dealer, of Harlan, Iowa, will sail for England April 12 as one of a party of three. On their return they will bring back one of the finest herds (160 head) of Herefords bred in England. Mr. Wheeler, beside owning a first-class hardware store, is also a large farmer and breeder of Hereford cattle.

On March 21 a number of leading chain manufacturers held a meeting at the Hotel Lincoln, Pittsburg. C. F. Whambaugh of Columbus, Ohio, was chairman of the meeting, and after a long discussion it was decided to raise prices. The rumor that this meeting was held for the purpose of forming a chain trust was emphatically denied by those present.

Jacob Roemer, senior partner of Rand & Roemer, Manitowoc, Wis., hardware dealers, died at his residence in that city on March 19 from pneumonia. Mr. Roemer was born at Croev, Germany, August 26, 1839, and came to Manitowoc in 1851. He was one of the oldest hardware dealers in northeastern Wisconsin. He leaves a wife and seven children.

W. H. McNaught, a Curtis (Okla.) hardware dealer, is believed to have been murdered recently. He left Curtis in a buggy with a large sum of money at noon on March 15 and the next morning his team was found in the woods near a river with the buggy covered with blood and signs of a desperate struggle on all hands. No trace of the missing man has been discovered.

E. C. Atkins & Co., Inc., Indianapolis, Ind., send us a circular describing the improved Criterion saw set. This set has a die which rests on the tooth and the die is struck instead of the tooth itself. This set has a pointed die adapting it to any size of tooth.

The Criterion set is adjustable so that any desired degree of set may be secured. This saw set is made of the best refined malleable iron, lacquered a rich brown. The die and anvil are drop forged from the finest tool steel and properly hardened.

The recent death of Miles F. Brennan at Denver, Colorado, is announced. Mr. Brennan was born at Lowell, Mass., Nov. 4, 1850. After an education in the public schools of that city he entered the employ of the American Bolt Co. and served as their president and general manager from 1888 to 1896 when he resigned to form a partnership with Edwin L. Haley for the manufacture of heavy hardware in Boston under the style of Haley, Brennan & Co. Mr. Brennen leaves a widow and two children.

The Standard Bolt & Manufacturing Company, Alliance, Ohio, was incorporated March 1, 1902, with a capital stock of $100,000. They organized by the election of W. K. Fogg, H. H. Shafer, E. E. Scranton, P. M. Haas, Geo. W. Sturgeon, J. C. Devine and Ephriam Pickens as a board of directors. The directors elected the following officers: President, W. K. Fogg; vice-president, P. M. Haas; secretary and treasurer, E. E. Scranton. The site for buildings is secured and the contract for erection of same has been let. They will be completed in sixty days.

This firm will have their plant in full operation by the first of July next, and will manufacture a full line of bolts, nuts, rivets, small forgings and other specialties in iron and steel.

Hess, Snyder & Co., Massillon, O., send us a circular calling attention to their Novelty spray pumps. Their No. 19 brass bucket spray pump is made with all parts proof against the effects of the spraying fluid The bottom is brass with a brass strainer. Two solid rubber balls serve as valves. The cylinder is of extra strength and is made of seamless drawn brass. The plunger rod is three-eighths inch galvanized steel. The body of the pump is made of three-quarter inch galvanized pipe. The hose is attached to a quarter inch galvanized pipe which runs down into the body of the pump to a point within two inches of the bottom. The ear and yoke are made of malleable iron and are galvanized and the handle is maple, nicely varnished. Other of this firm's spray pumps are the Nos. 16 and 17 Novelty barrel spray pump and the No. 17 novelty barrel spray pump and the No. 15 Novelty tin spray pump. One of these circulars will be forwarded the trade on application. When writing for same kindly add: "Saw it in THE AMERICAN ARTISAN."

## IMPROVEMENT IN CARTRIDGES.

The Peters Cartridge Co., Cincinnati, O., are naturally pleased at the showing made by their ammunition. At the recent indoor championship rifle shooting tournament, which was shot at New York from March 8 to 17, where Peters cartridges, which have won the indoor rifle championship of the United States for 1898, 1899, 1900 and 1901, surpassed all previous records by 7 points. The conditions of this match called for 100 shots off-hand, the possible being 2,500. The grand aggregate secured by the winner this year was 2,458, all the shots being bullseyes, most of them near the center. The popularity of Peters cartridges loaded with King's semi-smokeless powder is attested by the fact that of forty-two contestants in the championship match all but one used Peters cartridges. There were other matches shot during this tournament. Nineteen perfect scores were made with this ammunition, as well as the finest center shot during the tournament. Perfect scores of 75, and 74 out of 75, were made so frequently as to finally attract but little attention.

## WILL DISCUSS SUBJECTS OF UNUSUAL IMPORTANCE.

The meeting of the executive committee of the Southern Hardware Jobbers' Association, which was to have been held in Atlanta, Ga., on March 12 and 13, was postponed until March 19 and 20. All members of the executive committee and advisory board, except B. F. Eshleman of New Orleans, were present.

The selection of dates and place for the twelfth annual convention and the preparation of a proper programme for that occasion was given very careful consideration, and as the membership, by a very large majority vote, had expressed a preference for Atlantic City, N. J., for the meeting, and June 17, 18, 19 and

20 for the dates, the committee unanimously ratified this decision.

The hotel, which will be the headquarters of the association while in Atlantic City, has not yet been selected. Full information on this subject will be furnished as soon as arrangements are completed.

The programme of the convention, also other matters which were considered by the executive committee, will be presented to the members from time to time in the near future.

The subjects which will be discussed at this convention this year, as well as other matters which contribute to the general interest, are of more than usual importance, and the officers urge the membership to be well represented.

## HARDWARE JOBBERS IN A COMBINATION.

The daily press is full of stories of a merger of hardware jobbing interests. It is said the capitalization of this new combine will be $30,000,000 and that the Simmons Hardware Co., St. Louis; Bindley Hardware Co., Pittsburg; Bigelow & Dowse Co., Boston; Supplee Hardware Co., Philadelphia, and Hibbard, Spencer, Bartlett & Co., are all in the deal. The Simmons Hardware Co. have given the promoters of this merger an "option," viz., that they will sell their business for $7,000,000 spot cash. There are probably precious few readers of THE AMERICAN ARTISAN who would not take $7,000,000 for the business if they were in the shoes of E. C. Simmons and his partners.

Charles H. Conover, secretary of Hibbard, Spencer, Bartlett & Co., declares that that firm has not given any option on their interests and have not even been requested to do so.

This statement of Mr. Conover is not wholly coincident with the statement in the Chicago Inter Ocean of March 23 that "It is learned positively that options were secured on the Simmons Co., Hibbard, Spencer, Bartlett & Co. of Chicago, the Bindley Hardware Company of Pittsburg, Bigelow & Dowse of Boston, and the Supplee Hardware Co. of Philadelphia.

Then again we learn that the proposed company will be national in scope, and will be capitalized at something like $100,000,000. The law firm of Reed, Simpson, Thatcher & Barnum has charge of the legal ends involved. The promoters are very uncommunicative and decline to indicate what progress has been made since last they were in conference here. Their general attitude, however, is confident, and they seem to be more sanguine than ever of a successful issue of their plans. Many options have been taken on jobbing concerns from the Mississippi valley east, and a number of options that recently expired are understood to have been renewed. It is said to be the purpose of the promoters to get options on at least one big jobbing house in every large city in the country, but in several of the big hardware centers, such as Chicago, St. Louis, Minneapolis and Milwaukee, options have been secured on as many as four concerns in one place."

F. K. Maus of Kelley, Maus & Co., Chicago, said: "I don't know anything about a hardware merger, except what I see in the daily papers. No one has approached us on the subject."

A member of Edwin Hunt's Sons, Chicago, remained non-committal as to whether they had given any one an option on their business.

J. H. Patterson of the Wells & Nellegar Co., Chicago. said: "Thirty millions is quite a sum of money. I would prefer not to state whether our firm has been approached on this proposition or not, and must decline to state whether we have given any one an option or not. The scheme is not consummated yet, at any rate."

Geo. W. Trout of Geo. W. Trout & Co., Chicago, said: "We have not been approached by anybody and have not given any one an option on our plant. I do not think the scheme is going to succeed. In fact, it is probably simply a scheme of the Simmons Hardware Co. to get a good price for their business. They have reached the top notch and must do something to hold their ground. I should not be a bit surprised if the newly organized Norvell-Shapleigh Co were not pushing them pretty hard. I know from what I hear that the Simmons people are losing ground in some quarters."

L. H. Beck, president of Beck & Gregg Co., Atlanta, Ga., says: "I know absolutely nothing of the proposed trust, and my firm will certainly not enter it. I do not know what other firms in Atlanta will do, but I do not believe any firm in this city will enter the trust."

Walter Stauffer of Stauffer, Eshleman & Co., New Orleans, says: "About a week ago we were invited to discuss a proposed consolidation of some of the large hardware concerns of the country. Whether anything will be done is very difficult to say. The idea, of course, is to have the busines work in harmony under one general management."

In a recent interview John C. Koch of the Pritzlaff Hardware Company stated that he knew nothing whatever about the alleged revival of the hardware trust idea, which now comes up again in New York. He states that there are no negotiations with the Pritzlaff Company to go into any such combine, and that he supposed the whole thing had been dead for about one year.

The St. Louis (Mo.) Star has tabulated the following interesting, if inaccurate. information concerning the alleged merger:

Principal companies interested in forming the trust and their capital stock:

| | |
|---|---|
| Hibbard, Spencer, Bartlett & Co. of Chicago | $2,500,000 |
| Bindley Hardware Company of Pittsburg, Pa. | 1,000,000 |
| Bigelow & Dowse of Boston, Mass | 500,000 |
| Supplee Hardware Company of Philadelphia | 500,000 |
| Total | $4,500,000 |

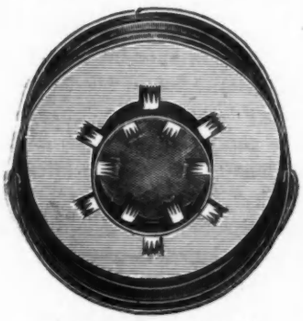
Principal companies which have declined to join the trust and their capital stock:

| | |
|---|---|
| Norvell-Shapleigh Hardware Company of St. Louis | $1,000,000 |
| W. B. Belknap & Co. of Louisville, Ky. | 750,000 |
| Farwell, Ozmun, Kirk & Co. of St. Paul, Minn. | 750,000 |
| Wells & Nellegar of Chicago | 350,000 |
| John Pritzlaff Hardware Co. of Milwaukee, Wis. | 500,000 |
| Total | $3,350,000 |

It's a chilly day when the associated press cannot be relied on for a good "hardware jobbing merger" story.

## COCKROACH TRAP.

J. H. Jones, Streator, Ill., is manufacturer of the cockroach trap shown in the accompanying cuts.



Cockroach Trap (Open).

The great advantage of this trap is that it catches these pests alive, which makes it easy to destroy them by pouring boiling water over them. The captured cockroaches are excellent bait and can be sold to fishermen.

The trap is simple and clean, and cannot possibly get out of order, it is claimed. It will last for years, and can be placed in any part of the building, cupboard, or desk drawers.

Cockroach Trap (Closed).

The trap is easily baited, as cooked beans and syrup are dainties highly esteemed by these vermin. All bait should be moistened before it is used. This trap is sanitary and is guaranteed to capture alive and exterminate these bugs from all parts of a building.

## AN UP-TO-DATE HARDWARE CATALOGUE.

The Supplee Hardware Co., Philadelphia, Pa., send us a very handsome catalogue showing their line of high-grade lawn mowers, cutlery, sporting goods, guns, household goods, etc. It has been this firm's aim in placing this catalogue in the hands of their friends and customers to classify, illustrate, describe and number the various articles in the most convenient manner possible. The manner in which it is compiled will be found not only convenient and of great assistance in making up orders for this firm's salesmen, but also it greatly facilitates the making up of mail orders.

This firm's mail order department is carefully supervised and mail orders are given prompt attention. This firm at all times carry in stock a large line of guns and ammunition. They especially call attention to their line of high-grade lawn mowers, which are favorably known all over the civilized world.

This catalogue is divided into six departments. Department No. 1, occupying pages Nos. 1 to 268, is devoted to locks, latches and builders' hardware. Department No. 2 takes up pages Nos. 269 to 576 and is devoted to mechanics and edge tools, bolts, screws, nails, tacks, brads, wire, etc. Department No. 3 shows lawn mowers, steel goods, shovels, spades, chains, curry combs, brushes, etc., and occupies pages Nos. 577 to 702 of this volume. Pages Nos. 703 to 790 are devoted to cutlery, plated ware, etc. This is department No. 4. Department No. 5 is that treating of house furnishing and miscellaneous hardware, occupying pages Nos. 791 to 1,024, and department No. 6, pages Nos. 1,025 to 1,055, shows sporting goods, guns, rifles, ammunition, etc. This book is splendidly bound in a rich and thick red morocco and owing to the completeness of the various lines it will be found a valuable work of reference for the trade.

## NEW YORK HARDWARE CLUB RE-ELECTS OFFICERS.

The governors of the New York Hardware Club met March 21 and re-elected for the ensuing year the officers of the year just closed, who are: President, Edward C. Van Glahn; vice-president, Richard R. Williams; secretary, Arthur G. Sherman; treasurer, Thomas F. Keating.

## ADDRESS OF T. JAMES FERNLEY.

The following address was delivered before the Pennsylvania Retail Hardware Dealers' Association at their banquet held March 26 at Pittsburg, by T. James Fernley, secretary of the National Hardware Association:

### REPRESENTATIVES OF A RICH STATE.

It affords me a great deal of pleasure to meet so many representative ladies and gentlemen of the hardware business of Pennsylvania at this banqueting board.

You have much to be congratulated upon being Pennsylvanians, representatives of the State which probably is richer in product than any other state in the Union, whose soil contains more value and lends more to the civilization of the world than any territory of similar extent in the known world.

### A PROSPEROUS ERA.

You are to be congratulated upon living in the present era, which history will record as being the most prosperous since the formation of the world; an era in which such rapid strides have been made in art, science, literature and commerce.

You are to be congratulated on the advancement you have made as business men, which advancement is noted in no more effective way than in the formation of an organization, the object of which is to elevate the standard of conducting business.

You are to be congratulated upon being engaged in such an honorable business. A business in which there is no deception, the commodities you handle having the reputation for superiority, which commends them upon mere mention of the name of the brand to the purchaser.

### REPRESENTATIVE OF A GREAT ORGANIZATION.

I am very happy to appear as the representative of the greatest trade organization which has ever been formed in the known world, an organization whose membership covers the entire United States, employing upwards of 2,500 salesmen, distributing goods from manufacturers to an amount estimated to be $160,000,000. I do not possess the literary ability requisite to properly interest you on this occasion.

### AN INTERESTING STORY.

My life from early boyhood days has been devoted to the serious proposition of earning a livelihood, and it is only within the last few years that I have been compelled to appear in public. I will doubtless make mistakes which will be quickly observed by many in an audience containing so much intelligence as that which

environs me at the present time. However, life is made up of mistakes. I am reminded of a scene which occurred in our city a few years ago when the Traction Company issued orders that all parcels which could not be held in the lap should be charged at the rate of one fare. After the car left the depot, the conductor noticed a trunk on the platform, and a man standing beside it with one foot on the same. The conductor came forward, the man handed his fare, which was rung up, and then demanded a fare for the trunk. The passenger objected. The conductor put the trunk off the car, leaving it beside the track. He resumed his place on the rear platform and after the car had proceeded several blocks, he went forward and asked the passenger what he was going to do about the trunk. "Do! I am going to do nothing. The trunk does not belong to me, but to the big fat woman inside."

A SERIOUS MISTAKE.

I said that our lives were largely made up of mistakes, and this is emphasized by the fact that up to the present time so many of the retail merchants of the country have made such a serious mistake in not connecting themselves with these trade organizations. It is recognized by the leading men in commerce to-day (and in this general phase, I mean to include the manufacturer) that much could be accomplished by organized effort which it is utterly impossible to achieve through individual effort. In speaking of mistakes I am reminded of an incident which happened in the career of my Sainted father, who for 54 years was a minister in the Methodist Episcopal Church. Each individual church, as my Methodist friends present, are well aware, is sub-divided into classes, each class having its leader. Once a week the members of the class assembled in one of the class rooms of the church to relate their Christian experience and are given words of consolation and advice by the leader.

My father desiring to become acquainted as quickly as possible with the members of a church to which he had been assigned started to visit the classes before he had moved into the church parsonage. The leader resigned his leadership for the evening and favored the pastor. One of the first to give him his experience was a big, hearty fellow. He spoke about as follows: "My dear brothers and sisters, during the past week I have passed through the severest affliction of my life. The dear companion with whom I have gone in and out of these walls of Zion for the last 15 years has left me. My cup is running over; pray for me." Amid sobs he takes his seat.

The pastor arose and said: "My dear brother, you have the sympathy of your pastor, your leader, and your fellow classmates. We all know what it is to have sorrow. I would not even bid you brush away those tears of love and affection. No doubt your dear companion, of whom you speak so affectionately is now basking in the sunbeams of eternal life. Doubtless she is now looking over the parapet walls of——"

The brother through his tears said, "No, she is not dead—she went away with another fellow."

REFERENCE TO THE HARDWARE MERCHANT.

In my opening remarks I said that you were to be congratulated upon being engaged in such an honorable business. The men around this board are competing with each other, and are doing so in an honorable manner. The Good Book commends you. The wise man said, "seest thou a man diligent in his business, he shall stand before kings." The wise man certainly alluded to the hardware merchant, for what business requires as much diligence as the buying and selling of hardware. We venture the assertion that there is no business more full of detail than this, our chosen vocation, and indeed, if the wise man, whom we quote here were alive to-day, I am sure he would decide that every retailer and wholesaler of hardware in the United States was entitled to attend the coronation of King Edward and thus carry out the saying, "he who is diligent in business, shall stand before kings."

For 25 years, your speaker has endeavored to be diligent in his business and on some occasions has also endeavored to be diligent in the business of others, but up to the present time, the nearest he has ever come to standing before kings was on the occasion of his introduction a few days ago to Prince Henry of Prussia.

ARE MEETING WITH DIFFICULTIES.

You are meeting with many difficulties in the conduct of your business, and these difficulties must be met with diligence. We heard a few days ago of a man who was visited by his wife's mother. She was taken sick. The doctor was called. He said she was in a very bad condition, and should be sent to a warmer climate. The son-in-law left the room, and after an absence of a few minutes came into the hall and beckoned the doctor to come out of the room, and handing him an axe which he had gotten out in the wood-shed, said: "I knew you would say she should go to a warmer climate, but I have not the heart to do it. You take the axe." This son-in-law endeavored to shift the responsibility. The hardwareman to-day cannot shift the responsibility which confronts him. He must meet the issue as it arises.

SHOULD HEW TO THE LINE.

We realize that the department store and catalogue house are both making inroads into our business. It is our duty to take the axe, "hew to the line, let the chips fall where they may."

I thank you again for the honor which you have conferred upon the National Hardware Association in inviting me, its unworthy representative to appear before you, and I sincerely hope that on the occasion of your second annual banquet, your membership will be greatly increased, in fact I hope the time will come when every man engaged in the retail hardware business in the State of Pennsylvania will morally and financially support the Pennsylvania Retail Hardware Dealers' Association.

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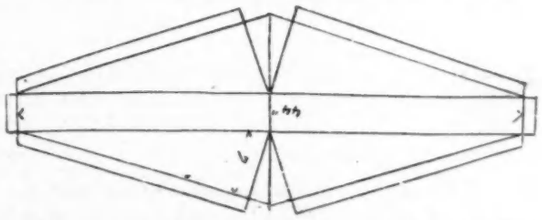
E. J. Johnson & Co., 38 Park Row, New York, send us a little booklet calling attention to their lines of roofing slate. The lines of slate they handle include Bangor roofing slate, "Central" Bangor roofing slate, Albion roofing slate, Mottled Purple roofing slate, No. 1 Red roofing slate, Sea Green roofing slate, etc. The booklet also calls attention to their Elastic roof cement, slater's felt, Baird patent snow guard, slating nails, etc. When writing for same the trade should kindly add: "Saw it in THE AMERICAN ARTISAN."

# Tinshop.

## WAGON WHEEL OILER

To The American Artisan.

I send herewith a drawing of a wagon wheel oiler. It is made out of galvanized iron and of only one piece of metal, therefore it cannot be melted in two. It can



be made very quickly. After I had made a dozen for a firm here and they had sold them the fun of it was that passing by a stove and tin store I saw one of my new wagon oilers there, although I did not think the proprietor would follow another man's make.

Bolivar, Ia., March 20, 1902. "Ten Strike."

## AN ALLEGED REFLECTION ON THE CRAFT.

To The American Artisan.

I see by your advertisements in The American Artisan headed "Tinners Wanted," that nearly every one advertises for a sober tinner with references. Now, I will say that all tinners do not drink, and they ought to be respected the same as any other trade or profession, and those people that send in these advertisements of "Wanted, a sober, industrious, hard-working tinner with reference," should know. It makes people believe that all the tinners are bums and drunkards and gives them a low and bad name with the public. I know there are lots of bums and drunkards in the tin and plumbing line, but they are not all so by a long ways. Here are some terms to be used by tinners with white standing collars and shirts:

"Wanted, a gentleman tin plate artist. Call at No. 1223."

"Wanted, a professor in tin and sheet iron. Call or address 190."

"Wanted, gentlemen tinners for roofing at once. Union Block."

"Wanted, ornamental tinner and cornice man."

"Wanted, a good tinner and stove artist."

Blue Earth, Minn., March 24, 1902.

"Mr. Tinner."

## REMOVING A TIN ROOF.

To The American Artisan.

I have a standing seam tin roof to take off of a large building soon. It will have to be cut along on each side of the standing seam. I think it will be a hard job to cut off so large a roof with the hand shears. I would be glad if some of your readers could give me, through the columns of The American Artisan, a better plan or could tell me whether there is any special tool for that kind of work, or if I could have some device made in a blacksmith shop for the purpose.

O. C. Lee.

Jonesville, Va., March 22, 1902.

## OBJECTS TO TONE OF LETTER.

To The American Artisan.

I wish to protest against the tone of the letter in which Wm. H. Cunningham protests against Fred Wark's pattern. He should kindly point out the changes, instead of "knocking" the pattern, and by drawing a correct pattern show the difference between the two. Fair Play.

St. Louis, Mo., March 25, 1902.

## SHOULD TINNER GET INTO THE WELL.

To The American Artisan.

Is it customary or is it considered necessary by the tinners who do good iron pump work to get down in a well and brace the pipe in putting in a common lift or force pump, single cylinder? How many do? Please hold up your hands.

Turkey Ranch, Ohio, March 24, 1902. "B. B."

## REPAIRING A COFFEE POT.

To The American Artisan.

I have an aluminum coffe pot with the spout off. How would you repair it? Please answer in The American Artisan and oblige. A Cub.

Washington, Kan., March 25, 1902.

## FAVORS PRIZE COMPETITION.

To The American Artisan.

I was pleased with the idea of W. H. Cunningham in your last issue in regard to a prize competition. I think it is an excellent idea for some of the heady craftsmen to test their skill against each other.

Chicago, March 24, 1902. A. B. C.

## WILL SUBMIT MATTER.

The Executive Committee of the Tin Workers' International Association were in session in Pittsburg, March 20-22, considering a proposition of the executive officers of the American Tin Plate Company to continue the present base agreement for another year from July 15. The board finally decided to submit the matter to a referendum vote, the result of which will be made known at the annual meeting of the association in New Castle, beginning the first Tuesday in May. In a short time the American Tin Plate Company will be closing all of its important contracts with the canning interests and with builders who consume large quantities of terne plates for roofing and other purposes during the summer.

## NOTES AND QUERIES.

### ELECTRIC MOTORS.

From "Subscriber," Hartington, Neb.

Where can I buy electric motors:

Ans.—Akron Electrical Mfg. Co., Akron, Ohio; Bullock Electrical Mfg. Co., Cincinnati, Ohio; Card Electric Co., Mansfield, Ohio; Commercial Electric Co., Indianapolis, Ind.; Crescent Iron Works, Springfield, Mo.; Emerson Electric Mfg. Co., St. Louis, Mo.; Erie City Iron Works, Erie, Pa.; Jenney Electric Mfg. Co., Indianapolis, Ind.; Keystone Electric Co., Erie, Pa.; Marshall Bros., Pittsburg, Pa.; Ohio Electrical Works, Cleveland, Ohio; Pawling & Harnichfeger, Milwaukee,

Wis.; Roth Bros. & Co., 28 Market St., Chicago, Ill.; Threshler Electric Co., Dayton, O.; Triumph Electric & Ice Machine Co., Cincinnati, Ohio; Webster, Camp & Lane Mach. Co., Akron, Ohio; Westinghouse Electric & Mfg. Co., Pittsburg, Pa.

REPAIRS FOR C. C. BLUME & CO.'S NEW DOUBLE SEAMER.

From Kuhnen & Siegrist Hardware Co., Highland, Ill.

Where can we buy repairs for C. C. Blume & Co.'s new perfection double seamer?

(Can any of our readers answer this question?)

ARCHED OAK GATES.

From P. H. Mueller, Hammond, Ind.:

Where can I buy arched oak gates?

(Can any of our readers answer this question?)

HAND TOOLS FOR STAMPING CIRCULAR MOLDING WORK.

From L. D. McQuiston & Co., Monticello, Ark.:

Where can we buy hand tools for stamping circular molding work?

(Can any of our readers answer this question?)

GAS MOTORS.

From "Subscriber," Hartington, Neb.

Where can I buy gas motors?

Ans.—Daimler Mfg. Co., Long Island City, N. Y.

## ITEMS.

Peter Woog is a new Sheboygan (Wis.) hardware dealer.

Kaehler & Witt are a new firm of Porterville (Cal.) tinsmiths.

J. H. Bement is building a new tin shop at Mt. Morris, Mich.

Eli Sieger, a Coplay (Pa.) tinware dealer, is putting up a new store.

It is said that a tin can factory may shortly be opened at Portland, Ore.

The Bureau Can & Mfg. Co. are a new Philadelphia concern capitalized at $25,000.

D. W. Bortz & Bro., Greensburg, Pa., hardware dealers, have added a tin shop.

It is said that work in the new tin mill at Marietta, Ohio, commenced on March 20.

It is said a new canning factory will shortly be started in South Milwaukee, Wis.

The American Can Co. are putting up a three-story building, 115x140 feet in dimensions at Hoopeston, Ill.

On March 15 ground was broken for the new tin plate plant of the McKeesport Tin Plate Co. of McKeesport, Pa.

The American Can Co. have purchased the can plant of the Hunt Bros.' Canning Co., at Oklahoma City, California.

Frank Dickerson of the American Tin Plate Company, New York, is president of the Jennie Clarkson Home for Children at Katonah, N. Y.

The tinsmiths of Rome, N. Y., have organized a union with Harry Parsons as president, Neil McQuaid as secretary and Jno. O'Mara as treasurer.

The tin shop of J. M. Morman, Brewton, Ala., was destroyed recently by a fire which was caused by sparks which caught on the roof from an adjacent chimney.

Wm. Brenner is erecting a factory for the manufacture of tinware at Hollidaysburg, Pa.

Wm. Cullen Bryant, Ed. J. Norton, Orlonzo Brymer and John Murphy are the incorporators of the Packers' Sanitary Can Co., New York city, capitalized at $5,000.

J. C. Droege, Fred Macke and J. H. Mersman are the incorporators of the Kentucky Iron Roofing & Corrugating Co., Covington, Ky., capitalized at $25,000.

W. C. Davis, vice-president Fourth District of the Amalgamated Association of Iron, Steel and Tin Plate Workers, has accepted a position with the Waukesha Sheet Steel Co., Waukesha, Wis.

The Kentucky Iron Roofing & Corrugating Co., Covington, Ky., are erecting an iron building 200x60 feet, which will be used as a corrugating plant and will have a capacity of 25 tons daily.

The Marietta Sheet & Tin Plate Co., Marietta, Ohio, have been incorporated in the state of West Virginia, with a capital stock of $200,000. This incorporation was delayed considerably on account of the flood in the Ohio valley delaying the mails.

The Cambridge (Ohio) plant of the American Tin Plate Co., will be shut down for at least a month longer, as on March 18 the cylinder head blew out of their largest engine, which runs three of the mills of that plant. Happily there were no casualties.

The J. M. & L. A. Osborn Co., Cleveland and Columbus, are making prompt delivers on coke plates, 14x20, 20x28, 90-95-100 lbs., IC, IXL and IX, Golden Star cold rolled steel sheets 16 to 28 gauge, regular sizes, and Golden Star and New Process galvanized sheets.

W. J. Burton & Co., Detroit, Mich., manufacturers and jobbers of roofers' and tinners' supplies, have secured two three-story buildings adjoining their present buildings, thereby increasing their present floor space two and one-half times. This has been made necessary by their rapidly increasing business.

The citizens of Atlanta, Ind., are trying to raise enough money by subscription to purchase new machinery for the tin plate factory at that point, as they have assurances from the local officials of the American Tin Plate Co. that the plant will be started up again if the citizens secure this new machinery.

It is said that the McKeesport Tin Plate Co., McKeesport, Pa., who will shortly break ground for their new plant, intend to invest $600,000 in the same at the start, the intention being that the plant shall have twelve mills, which number will be later increased to eighteen. They have secured a tract of eighteen acres on the Youghiogheny river.

At the convention of the Amalgamated Association of Iron, Steel and Tin Plate Workers, which will be held in Wheeling, W. Va., in April next, a number of important questions will be discussed. The puddlers will demand a separate and distinct scale of their own. The report of President Shaffer on the results of the agreement made recently in New York city with the officials of the American Tin Plate Co. will also come before the meeting.

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## TAKE TIME TO READ THE TRADE PAPER.

The reading of journals takes time, as well as the money required for subscription to such periodicals, but any business man could well afford the investment of the few dollars required yearly for the necessary books and papers, and one or two hours' systematic reading each day will be sufficient to keep one well posted in all matters pertaining to his business. Rightly considered, it is not an expense or a waste of time, but an investment in business education. I have heard men declare that it would be impossible to find the time for reading or study, as the requirements of their business were so exacting that every minute of the day was fully occupied. In such cases I have usually found that their time was chiefly occupied in doing the petty routine work of their establishments, which, had they been more able business men, would have been performed by a clerk. To the head of a business who pleads "no time" for study or reading, I would say, "take time—hire another clerk if necessary. If your brains cannot make you more money than your hands, you of a certainty need more business knowledge. Satisfactory help can easily be hired to perform the routine work of the drug store, but you cannot hire a man to do your thinking and the driving of your business, at least not for any salary that you can afford to pay."—W. A. Dawson, in the American Druggist.

## MAXIMITE, A NEW EXPLOSIVE.

According to Leslie's Monthly, maximite, recently adopted by the government, has satisfactorily stood every test to which it has been subjected. It is very inexpensive to manufacture, has a fusion point below the temperature of boiling water, cannot be exploded from ignition, and, indeed, cannot be heated hot enough to explode, for it will boil away like water without exploding. It is, therefore, perfectly safe to melt over an open fire for filling projectiles, in the same manner that asphalt is melted in a street cauldron. Should the material by any chance catch fire it would simply burn away like asphalt, without exploding. When cast into shells it not only solidifies into a dense, hard, incompressible mass on cooling, but it expands and sets hard upon the walls of the projectile, like sulphur. That is to say, it expands in the same way as water does in freezing. When a shell filled with it strikes armor-plate the maximite does not shift a particle, and it is so insensitive that it not only stands the shock of penetration of the thickest armor-plate which the shell itself can go through, but it will not explode, even if the projectile breaks upon the plate.

# Trade Report.

### BRADSTREET'S ON IRON AND STEEL SITUATION.

The editor of Bradstreets telegraphs us this advance report of the iron and steel situation:

Rather less activity in iron and steel is noted but no loss of price, firmness observable; the peculiar situation of the foundry pig iron market is shown by the fact that prices of that grade are $1 higher per ton than Bessemer; finished iron and steel has been active; implement and wagon manufacturers buying heavily of steel bars, which are nominally $2 per ton higher despite the fact that tin plate mills are booked for five months ahead; the leading interests continues to take orders at $4 per box. Testimony to the activity in hardware is well nigh unanimous. Chicago reports demand active beyond all precedent. Jobbers in cutlery and builders' hardware at New York report liability to secure supplies fast enough.

### WIRE NAILS.

Wire nails in single carload lots are quoted at $2.20 while smaller lots are 5 to 10c higher.

### CUT NAILS.

Cut nails remain at the old figure of $2.20 for small lots.

### BARB WIRE.

Painted barb wire is $2.80 in carload and $2.85 in small lots.

Galvanized barb wire is $3.10 in single carload lots and $3.15 in small lots.

### WASHERS.

Washers have been advanced 2-10c per lb. the past week and are now quoted at 5.8c off list.

### ROPE.

Rope is firm and sisal 11-16 inch and larger is listed at 10c per lb. Manila rope 7-16 inch and larger is 13c per lb.

### GLASS.

The Glass Jobbers' Association quote glass from store at 95 and 5 per cent off.

### BARS.

The demand for bar iron continues very strong and all indications point to a heavy increase. This is the most active branch of the iron and steel trade, and the mills have announced that up to April 1 all orders above 500 tons will be taken on the basis of 1.65c, Chicago. After this date, it is understood no concessions from 1.75c will be made to either large or small buyers. Bar iron is very strong, and some sales are reported at 1.95c. We quote iron bars at 1.85c, Chicago; steel bars 1.75c, Chicago; out of store, 2.10c.

### SHEETS.

The volume of business is fair and prizes out of store remain firm, and have been advanced some on small orders. We quote No. 27 black from store 3.45c to 3.50c, and galvanized 70 per cent to 70 and 2½ per cent.

### STRUCTURAL STEEL.

Notwithstanding that material is hard to obtain, several buildings are reported as going up. From the large number of inquiries received by jobbers, it is presumed that contractors expect to get the material from these sources, though the rapidity with which these stocks are diminishing does not promise well for the date of completion of these structures. We quote mill shipments, carload lots, as follows: Beams, 15 inches and under, 1.75c; 18 inches and over, 1.85c; angles, 6x6 and under, 1.75c; over 6x6, 1.85c; plates, 1.75c; base, tees, 1.80c; zees, 1.75c; lots from store, angles, 2.50c, minimum; tees, 2.55c, minimum; beams and channels, 2.50c per pound, minimum.

### RAILS AND TRACK SUPPLIES.

Further inquiries are reported for steel rails of standard sections, for such delivery as mills can make. Track supplies and light rails are in good demand, but owing to the crowded condition of mills, delivery cannot be promised within six months. We quote as follows: Standard rails, $28; light sections, $36 to $38, according to size; out of store, $40 to $44; splice bars, 1.80c to 1.90c; spikes, 2.30c; track bolts and hexagon nuts, 2.90c to 3.90c; out of store, 3.10c; square nuts, base, 2.75c to 2.85c; out of store, 2.95c.

### BILLETS.

We hear of no large sales for billets, but carload lots have been sold at $38 a ton for Bessemer, and $40 a ton for open-hearth.

### MERCHANT STEEL.

The heavy buying movement on the part of implement manufacturers for their season's supply continues, and mills have booked a large tonnage in the past week. We quote mill shipments, Chicago delivery, as follows: Smooth finished tire steel, 1.95c to 2c; open-hearth spring steel, 2.45c to 2.60c; sleigh shoe, 1.65c to 1.80c, flat sizes; concave and convex, 2c; out of store, 2.15c; cutter shoe, 2.40c to 2.60c; machinery steel, 2.15c to 2.25c, base; plow steel 2.50c and upwards, according to quality; toe calk, 2.25c to 2.35c; out of stock, 2.40c to 2.60c; ordinary tool steel, 6c to 7c; specials, 13c and upwards; less than carload lots, 5 per cent to 10 per cent higher; cold rolled shafting, carload lots, 50 per cent off, Chicago; less than car load lots, 45 per cent off, Chicago.

# Quotations.

## METALS.

### FIRST QUALITY BRIGHT PLATES.

| | | Per Box. |
|---|---|---|
| IC | 10x14 | $7 50 |
| IX | 10x14 | 9 00 |
| IC | 12x12 | 9 00 |
| IX | 12x12 | 10 50 |
| IC | 14x 0 | 7 50 |
| IX | 14x 0 | 9 00 |
| IXX | 14x20 | 10 50 |
| IXXX | 14x20 | 12 00 |
| IXXXX | 14x20 | 13 50 |
| IC | 20x28 | 15 00 |
| IX | 20x28 | 18 00 |
| IXX | 20x28 | 21 00 |

### COKE PLATES.

| | | | |
|---|---|---|---|
| Cokes, 180 lbs | IC | 20x28 | 9 50 |
| Cokes, 200 lbs | IC | 20x28 | 9 80 |
| Cokes, 216 lbs | IC | 20x28 | 10 10 |
| Cokes, 216 lbs | IX | 20x28 | 11 60 |

### PIG IRON.

| | |
|---|---|
| Lake Sup. Charcoal | $20 00@$21 00 |
| Local Coke Fdy No. 1 | 18 50@ 19 00 |
| Local Coke Fdy No. 2 | 18 00@ 18 50 |
| Local Coke Fdy No. 3 | 17 00@ 17 50 |
| Local Scotch Fdy No. 1 | 18 50@ 19 00 |
| Local Scotch Fdy No. 2 | 18 00@ 18 50 |
| Southern Coke No. 1 | 17 65@ 18 15 |
| Southern Coke No. 2 | 17 15@ 17 65 |
| Southern Coke No. 3 | 16 65@ 17 15 |
| Southern Coke No. 4 | 15 65@ 15 90 |
| Southern No. 1 Soft | 17 65@ 18 15 |
| Southern No. 2 Soft | 17 15@ 17 65 |
| Southern Gray Forge | 15 65@ 15 65 |
| Southern Silveries | 17 65@ 18 10 |
| Jackson Co. Silveries | 19 00@ 19 60 |
| Ohio Stone Softeners | 18 50@ 19 00 |
| Alabama Car Wheel | 20 50@ 21 00 |
| Malleable Bessemer | 19 00@ 19 50 |

### BLACK SHEET STEEL.

| | |
|---|---|
| ¼ in. 3-16 in. Nos. 8 and 10 per lb. | 3 40 |
| No. 12 per lb. | 3 45 |
| No. 14 per lb. | 3 50 |
| No. 16 per lb. | 3 10 |
| No. 18-21 per lb. | 3 10 |
| No. 22-24 per lb. | 3 20 |
| No. 25-26 per lb. | 3 30 |
| No. 27 per lb. | 3 40 |
| No. 28 per lb. | 3 50 |

### SMOOTH STEEL.

| | |
|---|---|
| Wood's Smooth Steel, 15-17 | 3 30 |
| " " " 18 | 3 40 |
| " " " 20 | 3 50 |
| " " " 22-24 | 3 60 |
| " " " 25-26 | 3 70 |
| " " " 27 | 3 80 |
| " " " 28 | 3 90 |

### PATENT PLANISHED SHEET STEEL.

| | |
|---|---|
| Patent Planished Sheet Steel. "A" | $10 20, "B" $9 20 |

### GALVANIZED IRON.

| | |
|---|---|
| Galvanized Iron | 70% |

### HOOP IRON.

| ¾x22 | ¾x20 | ⅞x20 |
|---|---|---|
| $3 20 100lbs. | $3 00 100lbs. | $2 90 100lbs. |
| 1x20 | 1¼x19 | 1¼x19 |
| $2 80 100lbs. | $2 75 100lbs. | $2 75 100lbs. |

PAINTED CORRUGATED IRON.
8-ft. sheets, 2½x28 Ga. per sq., $2 60

### SOLDER.

| | |
|---|---|
| Guaranteed ½&½ per lb. | 18¾c |
| Commercial ½&½ per lb. | 17¾c |
| No. 1 | 14c |

### SHEET ZINC.

| | |
|---|---|
| 600 lb. Casks, base | 6½c per lb. |

### COPPER.

| | |
|---|---|
| Copper, base | 20c |

### TIN PIGS AND BARS.

| | |
|---|---|
| Banca, pigs, per lb | 28¼@28½c |
| Straits pigs, per lb | 28@28¼c |
| Straits in bars, per lb | 28¾@29c |

### LEAD.

| | |
|---|---|
| American Pig | $4 60@4 62½c |
| | 5½@5¾c |

## HARDWARE.

### QUOTATIONS.

**(The quotations given below represent the current hardware prices. They are not given as manufacturer's prices, and manufacturers should not be held responsible for them. Manufacturers sometimes name higher figures than those quoted for goods; they are not always selling at the price quoted, but goods are being sold at the figures printed below by manufacturers and jobbers.)**

### ADZES—CARPENTER'S.

| | |
|---|---|
| Hunt's | 25% |
| White's | 12½% |
| Coopers'—Barton's | 12½% |
| White's | 12½% |
| Ship—Barton's | 12½% |
| White's | 15% |
| Hunt's | 25% |

### AMMUNITION.

#### CAPS, PERCUSSION—per 1000—

| | |
|---|---|
| F L Waterproof, 1-10s | 50c |
| G D | 40c |
| Eley's | 52c |

#### CARTRIDGES.

| | |
|---|---|
| Peters Rim Fire Ctgs | 50&3% |
| Peters Cent Fire, Pistol & Rifle | 25&3% |
| Peters Cent Fire, Military and Sporting Ctgs | 15&5% |
| Peters Blank Ctgs, except 22 and 32, an additional 10% from above discount. | |
| Peters Blank Ctgs. 22 cal | 10&10% |
| Peters Blank Ctgs. 32 cal | 10&10% |
| Peters B B Caps, Round ball | $1 18 |
| Peters B B Caps, Conical ball | $1 90 |
| U. M. C. Rim Fire Ctgs | 50&3% |
| U. M. C. Cent. Fire, Pistol & Rifle | 25&3% |
| Winchester Cent. Fire, Military and Sporting Ctgs | 15&8% |
| U. M. C. Blank Ctgs. 22&32 cal | 10% |
| U. M. C. Blank Ctgs, 38 cal | 50-10-10% |
| U. M. C. B B Caps, Round Ball | $1 75..25&10% |
| U. M. C. B B Caps, Con. Ball | $2 00 net |
| U. M. C. Rim Fire Shot Ctgs | 50&15&3% |
| U. M. C. Cent. " " " | 25&10&3% |

#### PRIMERS.

| | |
|---|---|
| Berdan Primers | $1 00 |
| Peters Primers | 1 10 |
| U. M. C. Primers | 1 08 |
| Winchester Primers | 1 08 |

#### SHELLS.

| | |
|---|---|
| Peters Empty Paper Shells, 10 and 12 gauge. League | 25&5% |
| Peters Empty Paper Shells, 16 gauge. League | 20&5% |
| Peters New Victor Nitro Shells | 15c |
| Ideal | 33⅓&10% |
| Peters Loaded Shells. League and Semi-Smokeless | 40&5% |
| Peters New Victor Loaded Shells, with King's Smokeless | 40&10&10% |
| Ideals Loaded with King's Smokeless | 40&10&10&5% |
| U. M. C. New Club, 16 gauge | 20&10% |
| U. M. C. New Club 10&12 gauge | 33⅓&5% |
| U. M. C. New Club | 33⅓&5% |
| U. M. C. Nitro | 18% |
| U. M. C. High Base | 18% |
| U. M. C. Trap | 33⅓&10&7% |
| Winchester Blue Rivals | 20% |
| Winchester Yellow Rivals | 20% |
| Winchester Repeater | 18% |
| Winchester Leader | 33⅓&10&7% |
| U. M. C. Loaded Shells, Black Powder | 40&5% |
| Winchester Loaded Shells, Black Powder | 40&5% |
| U. M. C. Smokeless | 40&10&10&5% |
| Winchester Smokeless | 40&10&10&5% |

#### GUN WADS—per 1000.

| | |
|---|---|
| Peters Gun Wads | 20&5% |
| U. M. C. Gun Wads | 20&5% |

#### POWDER.

King's Quickshot Powder; Kegs $4.00; ½ kegs $2.25; ¼ kegs $1.25.

| | |
|---|---|
| King's Semi-Smokeless | 20&5% |
| King's Smokeless | 25, 10&10 |
| Austin Quickshot Powder, Kegs $4.00; ½ kegs $3.25; ¼ kegs $1.25. | |
| Dupont Smokeless, Sporting | 25, 20&10c |

#### SHOT.

| | |
|---|---|
| Drop shot, sizes smaller than B, 25-lb. bags, per bag | $1 35 |
| Drop shot, B and larger sizes, 25-lb. bags, per bag | 1 60 |
| Buck Shot, 25-lb. bags, per bag | 1 60 |
| Chilled Shot, 25-lb. bags, per bag | 1 60 |

### ANVILS.

| | |
|---|---|
| Trenton, 70 to 80 lbs | 10c per lb |
| Trenton, 81 to 150 lbs | 9c per lb |

### AUGERS AND BITS.

| | |
|---|---|
| Snell's Boring Mach., Augers | 65&10% |
| Snell's Car Bits, 12-inch twist | 60&5% |
| Jennings' Pattern Auger Bits | 50&10% |
| Russell Jennings' Augers and Bits | 25&10% |
| Ship Augers, L'Hommedieu | 15% |
| Dalbey Post Hole Augers, doz | $7 00 |
| Irwin Bits | 50% |
| Climax Bits | 60&10% |

### AWLS.

| | |
|---|---|
| Brad, handled per doz. | $0 30 |
| Brad, shouldered, assorted 1 to 4 per gr. | 1 10 |
| Peg, Pat. per gr. | 40 |
| Peg, shouldered per gr. | 1 10 |
| No. 1, Scratch, handled per gr. | 4 50 |
| No. 5, Scratch, socket per doz. | 1 15 |

### AXES.

| | | |
|---|---|---|
| Lippincott per doz | $7 25 | |
| Mann | " | 7 00 |
| Second quality | " | 5 75 |
| Beveled axes, add | " | 50 |
| Broad— | | |
| Plumb's Canada Pattern | 50,10&5% | |
| " Western " | 40,10&5% | |
| Hunt's per doz | 30 | |
| White's | " | 12% |
| Hand— | | |
| Hunt's | " | 40 |
| White's | " | 12% |
| Ship— | | |
| White's | " | 12% |
| Single Bit, Gladstone | " | $7 50 |
| Hubbard's S B | " | 7 25 |
| Mann's S B | " | 7 25 |
| Hunt's S B | " | 7 25 |
| Lippincott's S B | " | 7 25 |
| Robert Mann's D B | " | 9 75 |
| Lippincott's D B | " | 9 75 |

### AXLES.

| | |
|---|---|
| Common iron, long arm, sq. bed | 5¼ |
| Common iron, long arm, sq. bed | 6¼ |
| Concord express, long arm, steel, square bed | 6¾ |
| Coach shape on above, ex. per lb | ⅛ |
| Short arms on above, extra per lb | 2 |
| Welded axles on above, ex. per lb | 1½ |
| Half Patent, steel, Nos. 7 to 14 | 70 |
| Half Patent, steel, Nos. 19 to 22 | 70 |
| Extra, coach shape, 1¼ & smaller per set | 15 |
| Extra, coach shape, 1¼, 1½, per set | 30 |
| Extra, coach shape, l'g'r, per set | $1 00 |
| National Wrought Steel Tubular, Self-Oiling— | |
| Standard Farm (1 to 5) and Special Farm (A1 to Af) less than ten sets | 20% |
| Over ten sets | 25 |

### BALE TIES.

| | |
|---|---|
| Single Crop | 80-10&5% |

### BEAMS—SCALE.

| | |
|---|---|
| Scale Beams, List Jan. 12, 82 | |
| P. S. & W | 40% |

### BELLOWS.

| | |
|---|---|
| Blacksmiths' | 70&5% |
| Hand, 8 in. per doz. | $6 85 |
| Molders', 10 in. per doz. | 9 00 |

### BELLS.

#### COW.

| | |
|---|---|
| Ordinary Goods | 70&5% |
| High Grade | 60&10% |
| Jersey | 70&10% |

#### DOOR.

| | |
|---|---|
| Abbe's Gong | 45% |
| Barton Gong | 55% |
| Home, R & E Mfg. Co.'s | 55&10% |
| Door & Pull, Sargent's | 20&10&10% |

#### HAND.

| | |
|---|---|
| Hand Bells, Polished | 60@60&10% |
| White Metal | 55@55&10% |
| Nickel Plated | 50@50&10% |
| Swiss | 50&10% |
| Silver Chime | 33⅓@33⅓&10% |

#### MISCELLANEOUS.

| | |
|---|---|
| Farm Bells lb. | 2¾c |
| Steel, Alloys, Church and School | 50&5% |
| Wilmot & Hobbs Mfg. Co. Gong | 70% |

### BEVELS.

| | |
|---|---|
| Stanley's rosewood Handled, T., new list | 30% |

### BLOCKS.

| | |
|---|---|
| Common Wooden | 70% |
| Eddy Steel Tackle Blocks | 66⅔&5% |

### BOLTS.

#### CARRIAGE, MACHINE, ETC.

| | |
|---|---|
| Common, new list | 60&5% |
| Norway Iron, $3.00, list Oct. 7, '84 | 75&10% |
| Bolt End, list Jan. 30, '95 | 50&10% |
| Machine, list Sept. 20, '99 | 65&50% |

#### DOOR AND SHUTTER.

| | |
|---|---|
| Ives' Patent Door | 50&10% |
| Wrought Barrel, Stand'rd list | 70&10% |
| Wrought Flush | 40&5% |
| Wrought Square, Standard list | 60, 10&5% |

#### STOVE AND PLOW.

| | |
|---|---|
| Plow | 50&10% |
| Stove, list December 28, 1899 | 75&10% |

#### TIRE.

| | |
|---|---|
| Common, list Dec. 28, '99 | 75&5% |
| Eagle Philadelphia | 72½% |
| Norway | 75% |

### BOLTS AND NUTS.

| | Discount |
|---|---|
| Common Carriage Bolts, new list, Feb. 1, 1902 | 60&5% |
| Machine Bolts, with H. P. or C. P. Plain Nuts | 65@7½ |
| Machine Bolts, with C. & T. Nuts | 60@10% |
| Machine Bolts, without Nuts | 65, 7½@10% |
| Machine Bolts, Blanks | 65@7½% |
| Bolt Ends, with H. P. or C. P. Plain Nuts | 65@10% |
| Bolt Ends with C. & T. Nuts | 65% |
| G. P. Coach Screws | 75@5% |
| Cone Point Lag Screws | 75@5% |
| Skein Screws | 75% |
| Forge Set Screws and Top Bolts | 60% |
| Plow Bolts and Guard Bolts | 60% |
| Washer Head Coach Screws | 70@5% |
| Wagon Box Strap Bolts | 70@10% |

### BORING MACHINES.

| | |
|---|---|
| Upright, without Augers | $2 75 |

### BOXWOOD RULES.

| | | |
|---|---|---|
| No. 4 | $11 00 | New list 60% |
| " 12 | 16 00 | |
| " 18 | 6 00 | |
| " 26 | 11 00 | |
| " 27 | 13 00 | |
| " 29 | 4 50 | |
| " 66 | 10 00 | |
| " 66½ | 10 00 | |
| " 67 | 6 00 | |
| Boxwood, new list | | |
| Ivory | | 35@5% |
| Lufkin's Steel | | 30% |

### BRACES.

| | |
|---|---|
| Barber's | 60@10% |
| Common Ball, American | $1 35@1 45 |
| Fray's Genuine Spofford's | 50@10% |
| Fray's No. 508 to 522 | 50@10% |

### BRACKETS.

| | |
|---|---|
| Cast Iron Plain | 50&10 |
| Wrought Steel | 70&10@75% |
| Bradley's | 75@75&10% |

### BROILERS.

| | |
|---|---|
| Wire | 70&10% |

### BUTTS.

| | |
|---|---|
| Bright Butts, Nos. 800, 802, 804, 806, 808, 810, 814, 816, 818, 820, 854 | 60@25% |
| Bright Butts, Nos. 826, 828, 829, 830, 832, 834, 836, 838, 840, 842, 843, 844, 845, 846, 848 | 60@25% |
| Bright Butts, Nos. 822, 822½, 823, 823½ | 75&10% |
| Japanned Butts, Nos. 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 726, 727, 728, 729, 730, 731 | 70% |

### CAGES—BIRD.

| | |
|---|---|
| Enameled | 50&10% |
| Brass | 50&5% |

### CASTERS.

| | |
|---|---|
| Bed | 70& |
| Plate Casters | 65&5 |
| Martin's Patent (Phoenix) | 1 |

### CHAIN.

American Coil Chain, Less than Cask lots:

| 3-16 | ¼ | 5-16 | ⅜ | 7-16 | ½ | ⅝ |
|---|---|---|---|---|---|---|
| 9.50 | 7.00 | 5.65 | 4.50 | 4.35 | 4.25 | 4.10 |

¾ 4.00c per lb.

Less than cask lots add 25c.

| | |
|---|---|
| German Coil, list July 24, '97 | 60&10&5% |
| German Halter Chain, list July 24, '98 | 60&10&5% |

Traces, Western Standard: 100 pair

| | |
|---|---|
| 6½—6-2, Straight, with Ring | 29 00 |
| 6½—8-2, Straight, with Ring | 33 00 |
| 6½—10-2, Straight, with Ring | 36 00 |

Add 2c per pair for Hooks.
Twist Traces 2c. per pair higher than Straight Link.

| | |
|---|---|
| Trace, Wagon and Fancy Chains Eastern list | 50&10% |
| Jack Chain, list July 10, '93 Iron | 50@10&5% |
| Brass | 50@10&5% |

Safety Chain.....60@10%
Gal. Pump Chain.....lb. 4¼@4½c
Covert Sad. Works:
Breast, Hitching and Rein Chains.....70%
Covert Mfg. Co.:
Breast.....35@2%
Halter.....35@2%
Heel.....35@2%
Rein.....35@2%
Stallion.....35@2%
Oneida Community:
Eureka Coil and Halter.....40@5%
Niagara Coil and Halters....40@5%
Niagara Cow Ties..45@5&45@10&5%
Am. Coil and Halters..40% new list
Am. Cow Ties.....35@5&40@5%
Wire Goods Co.:
Dog Chain.....60@10%
Universal Dbl-Jointed Chain...50%

CARPENTERS' CHALK.

Blue.....per gross, 60
Red..... " 55
White..... " 50
Common White School Crayon..... " 10

CHALK LINES.

In 25-Ft. Hanks:
No. 12, Twisted.....per doz., $0 22
No. 1, Braided..... " 24

CHISELS.

Mix..... } 70&10%
Witherby.....

CHISELS—BOX.

| Inches | 10 | 12 | 14 |
|---|---|---|---|
| Round.....per doz. | $2.10 | $2.25 | $2.75 |
| Flat.....per doz. | 2.85 | 3.60 | 4.20 |

CLAMPS.

No. 25 Adjustable .....50&10 to 60%
Carriage Makers.....60%

CLEANERS.

Pot, Wire.....per doz. $0 45

CLEVISES.

Malleable..... ...per lb. 4¼c

CLEAVERS.

Beatty's.....dis 40
White's.....dis 15

AJAX FAMILY CLEAVERS.

| | 6in. | 7in | 8in |
|---|---|---|---|
| Per dozen..... | $5.50 | $5.75 | $6.25 |

CLIPPERS.

E. H. Hotchkiss Horse Clippers
No. 10. .....per doz. $18 00
No. 30..... " 15 60
No. 22..... " 13 80
No. 20..... " 13 20
No. 8..... " 10 80
H. Hotchkiss Toilet Clippers
No. 1.....per doz. 9 60
No. 101..... " 10 80
No. 203..... " 10 80
No. 300..... " 13 20
No. 500..... " 15 00

CLOTHES LINES—ROPE.

60 ft. Jute.....per doz. $0 90
72 ft. Jute..... " 1 00
60 ft. Sisal..... " 1 50
72 ft. Sisal..... " 2 00
60 ft Cotton..... " 1 25
50 ft Braided Cotton..... " 84

CLOTHES WRINGERS,

SEE WRINGERS.

COFFEE MILLS.

Enter. Mfg. Co., list Jan 17, '93...25%
Parker's.....50%
Arcade.....60&10%

CORKSCREWS.

Howes.....25&22%
Humason & Beckley.....40&10%
Empire..... 40%
Walker's..... net
Williamson's Regular..... 35%
Williamson's Forged Worm.. 35%

DOG COLLARS.

Pope & Stevens' List:
Brass (full assortment)....net price

DOOR CHECKS.

Blount.....30%
Eclipse.....30%
Corbin.....30%
Blum.....per doz. $6 50

DOOR HANGERS—BARN.

No. 3. Superb.....per doz. sets, $6 50
No. 4. Superb..... " " 7 75
Single Flange, D. B. Rail, .....per 100 ft. 1 60

DRILLS AND DRILL STOCK.

Common Blacksmith's Drill, .....$1 50@$1 60
Bench Drills, Stearns .... 5 50& 6 00
Blacksmith's Self-feeding, each, ..... $5 00&$7 00
Breast, Miller's Falls, ..... per doz. $25.00 net for No. 12
Godell Automatic Drills, $9 50to$22 00

DRILLS—BIT STOCK.

Standard List.....60%@60%@10%

DRILLS—TWIST.

Standard List.....60@60&5%
Straightened taper shanks to 1½in.

DRIVEN WELL POINTS.

Driven Well Points.....76&10&5%

EAVE TROUGHS.

Galvanized Eave Trough and conductor pipe; 75-10-7.....⅓%

EGG BEATERS.

Standard Co.:
No. 10 Cast Handle Dover pr gr $4 50
Dover Pattern.....per doz. 70
Mammoth Dover ..... " 1 75
Genuine Dover..... " 90
No. 15 Extra Heavy Steel Handle.....per gr 21 00
Rival..... " 10 00
Taplin Mfg Co.:
No. 50 Small Family size pr gr 7 00
No. 100 Regular Fam size pr gr 7 50
No. 102 Regular Family size tinned .....pr gr 9 00
No. 150 Large Fam size pr gr 21 00
No. 150 Large Fam size tinned.....pr gr 24 00
Lyons Standard size ....per doz 1 75
Surprise.....per gr 1 40
Wonder (S. S. & Co.).....pr gr 7 50

ENAMELED STEEL WARE.

Royal (N. E. & S. Co.)....70 to 70&10%
Peerless (L. & G. Mfg Co.)...70&10%
Agate Nickel Steel Ware.....50&20%
Pearl Agate Ware.....50&20%
Blue and White Ware.....60&10%
All White Ware (with blue border).....50&10&5%
Regal Steel Ware .....60&10%

FASTENERS, BLIND.

Zimmerman's.....50&10%

FAUCETS.

Standard Metal Key.....25%
B. & L. B. Co
Redlich's Wood Faucets.
Red Cedar..... } Net Prices.
Oak.....
Cherry .....
Cork Lined .....
Metal Key .....
Self Measuring:
Enterprise, per doz $36 00.....40%
Corked Lined .....70&5@70&10&5%
Metallic Key, Leather Lined .....70@70&10%
Red Cedar.....50@50&5%
B. & L. B. Co.
West's Lock, Open and Shut Key.....50&10%
John Sommer's Peerless Tin Key.40%
" " Boss Tin Key.....50%
" " Victor Metal Key 50&10%
" " Duplex Metal Key...60%
" " Diamond Lock.....40%
" " I X L Cork lined.....50%
" " Reliable " ..50&10%
" " Common " .....70%
" " Chicago " .....60%
" " O K " .....50%
" " Perfection Cedar.....40%
Star.....60@60&5%
Star, Metal Plug new list..40@40&5%
Lockport Metal Plug, reduced list .....60&5%
McKenna Brass:
Burglar Proof, N. P.....35%
Improved, ¾ and ⅞in.....35%
Self Measuring:
Enterprise, per doz $36 00.....40%
Lane's, per doz $36 00.....40&10%
National Measuring, per doz $36 00.....40%

FILES AND RASPS

Great Western.....75&5%
J. B. Smith.....75&5%
Arcade .....75&5%
K. & F.....75&5%
American.....75&5%
McClellan.....75&5%
Eagle .....70,10&5%
Nicholson .....70&10%
Royal. .....80@80&10%
Black Diamond.....70&10%
Disston's .....75&5%

FILE HANDLES.

Nicholson File Co.'s "Simplicity" File Handles ...per gr $0.85 to $1 50

FORKS AND HOES.

Coke and Cottonseed Forks....40&5%
Coal Forks .....40&10%
Barn or Ice Forks .....40&5%
Beet Forks .....30&10
Ballast or Stone Forks.....40&5%
Tanners' Forks.....40&5%
Shaving Forks .....40&5%
Potato Scoop Forks .....40%
Oyster Forks.....40&5%
Sluice Forks.....40&5%
Heavy Mill, Manure or Street Forks.....70%
Steel Tar or Asphalt Rakes.....65%
Asphalt Hoes .....65%
Two Tine Hay Forks, Std. Size.65&10%
3 Tine Hay Forks, Std. Size.70&5&10%
4 Tine Hay Forks, Std. Size.66⅔@10%
Socket Four Tine Hay Forks.66⅔&5%
Socket Four Tine Manure Forks.70%
Socket Four Tine Spading Forks .....70&5&5&2½%
Three Tine Hay Header and Baler Forks.....67½&2½%
Four Tine Hay Header and Baler Forks.....63⅓%
Grain or Barley Forks.....70&10&10%
Four Tine Manure Forks...70&10&5%
Five & Six Tine Manure Forks .....70,10&5%
Spading Forks.....70&10&5%
Potato Digging Forks.....65%
Stone Picking Forks.....65%
Garden Hoes.....75&10&5%
Meadow and R. I. Hoes....75&5&2½%
Sunbeam Meadow Hoes.....75&5&½%
Mortar and Street Hoes....75&10&5%
Planter Hoes, Regular Pattern .....70&30%
Tobacco Hoes.....75&20%
Cotton Hoes.....70&10&10&5&2%
Rough Fin, Shank Cot. Hoes.75&12½%
Cotton Chopper Hoes.....75&10&7½%
Ladies' Cotton Hoes.....75&10&7½%
Malleable Rakes .....75%
Toy Ladies' and Boys' Hoes .....70&10to70&10&5%
Weeding Hoes and Rakes.....75&5%
Potato Hooks.....70&5%
Hop Hooks.....60&10&2¾%
Steel Garden Rakes.....75%
Steel Garden Rakes Stamped blank.....70%
Turf Edgers.....60&5%
Steel Road Rakes.....65%
Special Mortar Hoes.....40&10&2½%
Harpers' No. 7 Mortar Hoes.....65%
Truck Hoes.....50&10&2%
Hoes.....65%
Special Hoes.....75&10&2%
Hoe Down Hooks.....75&10&2%
Warren Hoes.....60&5%
Laid Steel Edge Hoes.....25, 5&2%

GAUGES.

Marking, Mortise, etc....50% new list
Stanley R. & L. Co.'s Butt & Rabbet Gauge.....Net
S. & H. Cos.....75%

GIMLETS.

Gimlets.....60%

GLASS CUTTERS.

Woodward.....33⅓&10%
Red Devil.....per doz. $2 25
Bonney V. & T. Co.....40&10%

GLUE POTS.

Tinned.....25%
Enameled .....35%

GLUE.

Eagle, Liquid .....40%
LePage's, Liquid—
List "A".....37½%
List "B".....33⅓%
List "C"..... 25%
B Amber, bulk.....per lb 9¾c
A White, bulk.....per lb 12½c
H. S. Amber, bulk.....per lb 17c

GREASE, AXLE.

Fraser's.....$9 50 gr
Baum's Castorine.....Net

GRINDSTONES.

Schofield's Bi-Treadle Grindstones.....each, $3 10
Schofield's "Auto"..... " 3 35

GRINDSTONE FIXTURES.

Stowell's.....Net
Reading Hardware Co.....Net

HAMMERS.

F. R. Plumb's A. E. Nail .....40&10%
Bell Face.....40&10%
Brad .....40&5%
Farriers.....40&5%
Shoe.....30&5%
Riveting.....40&5%
Blacksmith's.....50&10%
Prospecting .....50&10%
Calumet Nail.....per doz., $3 40
Engineer's.....50&10%
Machinist's Ball Pein.....50&10%
S. & H. Cos. No. 20.... per gross. 5 25

HANDLES—IRON, WROUGHT OR CAST—DOOR OR THUMB.

No. 0.....per doz $0 90 } Dis. 50
No. 1..... " 1 00
No. 2..... " 1 18
No. 3..... " 1 35
No. 4..... " 1 50
Bronze iron drop lat., per doz net $1 10
Japanned store door.....net 1 10
Barn door No. 5..... " 1 35
Chest and lift.....dis 50

Wood—
Saw and plane.....dis 40&10%
Hammer, hatchet, axe, etc. " 40&10%
Brad awl.....per gro. 2 25
Hickory firmer chisel..... } ..25
Apple firmer chisel.....
Socket firmer chisel .....
Socket framing chisel .....
File.....per gro. $1 60
Auger, assorted..... " 4 50
Hoe, rake, fork, etc.....50%

Cross Cut Saw—
Atkins' No. 1.....per pair 24c
" No. 3..... " 18c
" No. 6..... " 11c
Climax..... " 11c
Common loop..... " 10c

HANGERS.

Hangers.....60%

HATCHETS.

American Axe and Tool Co ..... } 40&10% to 40&10 &5%
Blood's.....
Hunt's.....
Hurd's.....
Mann's.....
Underhill's .....
C. Hammond & Son..
Fayette R. Plumb...

HAY AND STRAW KNIVES.

Lightning .....$5 50
Lightning Patterns..... 5 25

HINGES.

BLIND AND SHUTTER.

Surface Gravity Locking Blind: (Victor; National; 1868 O.P.; Niagara; Clark's O. P.; Clark's Tip; Bunalo).

| No | 1 | 3 | 5 |
|---|---|---|---|
| Doz pair | $0 75 | 1 70 | 3.40 |

Mortise Shutter: (L. & P., O. S., Dixie, &c.)

| No | 1 | 1½ | 2 | 2½ |
|---|---|---|---|---|
| Doz. pair | $0 60 | 55 | 52 | 45 |

Mortise Reversible Shutter, (Buffalo &c.)

| No | 1 | 1½ | 2 |
|---|---|---|---|
| Doz. pair | $0 65 | 60 | 55 |

Parker .....70
North's Automatic Blind Fixtures. No. 2, for Wood $9 00; No. 3, for Brick $11 50 .....10%
Reading's Gravity.....75&10%
Sargent's, No. 1, 3, 5.....66⅔&10%
Sargent's No. 11 & 13.....70&10%
Wrightsville H'dware Co.:
O. S., Lull & Porter.....75%
Acme, Lull & Porter.....75&10
Queen City Reversible.....70&10%
Stenger's Positive Locking, Nos. 1 & 3..... 7 &10&5%
Shepard's Noiseless, Nos. 60, 65, 55 70&10%
Niagara, Gravity Locking, Nos. 1, 3 & 5.....75&7½%
1868, Old Pat'n. Nos. 1, 3 & 5 75&7½%
Tip Pat'n, Nos. 1, 3 & 5.....75&7½%
Buff. Gravity Lock., 1, 3, 5 75&7½%
Shepard's Double Locking, Nos. 2) & 25 .....70&10%
Champion Gravity Locking, No. 75 75&7½%
Steamboat Gravity Locking, No 10 5&7½%
Pioneer, Nos. 060, 45 & 5½..75&7½%
Empire, Nos. 101 & 103.....70&7½%
W. H. Co's Mortise Gravity Locking No. 2.....80&10%
Stanley's Steel Gravity Blind Hinges.....per doz. sets 80c Net

GATE.

Clark's or Shepard's—Doz. sets:

| No | 1 | 2 |
|---|---|---|
| Hinges with Latches | $2 10 | 2 35 |

Hinges only.....$1 60 $1 80 $2 90
Latches only..... 60 70 95
New England:
With Latch.....doz..@$1 55
Without Latch.....doz..@$1 25
Reversible Self-Closing:
With Latch.....doz..@$1 80
Without Latch.....doz..@$1 45
Western:
With Latch.....doz.$1 40@$1 75
Without Latch.....doz.$0 95@$1 30
Wrightsville H'dware Co.:
Shepard's or Clark's Nos. 1 & 2, 65&2½%
Shepard's or Clark's No. 3.....55&5%

SPRING.

Holdback, Cast Iron.....per gr $9 00
Non-Holdback, Cast Iron " 8 00
J. Bardsley:
Bardsley's Patent Checking....15%
Bommer Bros.:
Bommer Spring Hinges.....40%
Bommer Ball Bear Floor Hing's40%
Chicago Spring Butt Co.:
Chicago.....20%
Floor Hinge.....40%
Garden City Engine House.....20%
Keene's Saloon Door.....20%
Triple End.....40%
Hoffman Hinge & Foundry Co.:
No 70 & 80 Holdback Detachable .....$9 00
Lawson Mfg. Co.:
Matchless.....30%
Matchless Pivot.....35%
Payson Mfg. Co.:
Oblique.....50&10%
Stover Mfg. Co.:
Ideal No. 16, Detachable, per gr.....$12 50
Clover Leaf, No. 7.....per gr 8 75
New Ideal, No. 1..... " 8 75
New Ideal, Double Act'g " 11 00

WROUGHT IRON.

Strap and T Hinges, list Mar. 15, 1901:
Light Strap Hinges.....70&20%
Heavy Strap Hinges.....75&10&20
Light T Hinges .....66⅔& 20%
Heavy T Hinges.....60&5&20%
Extra heavy Hinges .....75&20%
Hinge Hasps.....60&10&5%
Cor. Heavy Strap.....75&10&20%
Cor. Ex Heavy T .....75&20%
Screw Hook and Strap:
6 to 12in.....lb. 3¼c
14 to 20in.....lb. 3¼c
22 to 36in.....lb. 3 c
Screw Hook and Eye:
¾ to 1in.....lb. 6½c
⅝in.....lb. 7½c
½in .....lb. 9½c

MISCELLANEOUS.

Hoffman's Steel Spring Butt Hinges, .....40&10%
Hoffman's Offset Refrigerator Hinges.....40&10%

HOLLOWARE.

Stove Holloware Ground.....50&10%
Maslin Kettles.....70&10%

HOOKS.

Picture, No. 299.....$28c
Bush, common axe handle.....$7 00
Bush No. 1, Underhill..... 9 00
Bird Cage.....40%
Clothes Line.....60&10&10%
Grapling .....50%
Ceiling .....60&5%
Coat and Hat.....60&5%
Harness.....60&10&10%
Cotton, V. & B.....25%
Tassel and Picture.....50%
Wire, Coat and Hat, Gem.....net
Indestructible.....45%
Brass.....$2 00%
Hooks and Eyes, bright wire.....85%
Brass .....60&10&5%
Fish Hooks, American.....50%

HOSE—RUBBER.

Competition.....dis 70&10%
Standard.....70%
Extra.....60%
N. Y. Rubber Co.'s st'd.....50&10%
Banner.....60%
Extra.....50%

IRONS—SAD AND POLISHING.

Mrs. Pott's No. 50 .....65c
Mrs. Potts' No. 55.....70c
Mrs. Potts' No. 60.....90c
Mrs. Potts' No. 65.....85c

KNIVES, DRAWING.

Braces, Peck's Adjustable P. S. & W.
8in.....per doz $15 00
10in ..... " 16 75
12in ..... " 18 00
Standard List.....70&5%
Adjustable Handle.....20%
Watrus.....30&10@40%
Cantelo's Folding.....25%
Improved Crown.....20%

KNOBS.

Base, 2½in. Maple, Rubber tip per gr.....$1 60
Door, Mineral.....per doz 70c
Door, per. Jap'd..... " 75c

LADLES.

Reading.....Net
Sargent's .....Net

LANTERNS—TUBULAR.

No. 0 Berger's "Bail Lift." per doz $9 50.....40&10&5%
No. 0 Berger's "Bail Lift," Galvanized, doz $10 50.....40&10&5c
No. 2 Berger's "Bail Lift," per doz $13 00.....40&10&5c
No. 2 Berger's "Cold Blast," per doz $16 00.....40&10&5c
No. 0 Berger's Dash Board, Japanned, Plain Globe, per doz, $13 00.....40&10&5%
No. 0 Berger's Dash Board, Japanned, Bull's Eye, per doz, $13 50 .....40&10&5%
No. 2 Berger's Dash Board Japanned, Plain Globe, per doz, $17 00.....40&10&5%
No. 2 Berger's Dash Board, Japanned, Bull's Eye, per doz, $17 50.....40&10&5%

BULL'S EYE POLICE.

3in Flash Light.....per doz $6 00
4¾in Regular..... " 3 50
3in Regular..... " 4 20

LEMON SQUEEZERS.

Wood, Common.....per doz 72c
Wood, Porcelain Lined.... " $1 30
Boss Tinned Iron..... " 80
Iron, Porcelain Lined..... " 1 85
Jenning's Star..... " 1 75
King..... " 2 25

LOCKS.

Plate.....33⅓%
Slaymaker-Barry Co.....30&35%
Sargent & Co. .....40,40&10%
Yale Flat Key.....Net
L. & C. Round Key.....30&10%
Reading Harding Co.....40%
L. & C. Flat Key Latches.....33&10%
Stearn's Sliding Door.....Net $15 00

CABINET.

Eagle .....33⅓%
Yale.....33⅓%
Eagle and Corbin Trunk.....25%

PADLOCKS.

Wilcock's.....70%
M. W. & Co.....70%
Russell & Irwin.....70%
Slaymaker Barry Co.....40%
Bohannon's Brass.....30%
Yale.....Net
Eagle.....33⅓%
Eureka, Eagle Lock Co.....40%
Corbin .....33⅓&10%

MALLETS.

Fiber Head Sterns.....30%
Hickory.....40%
Lignumvitæ.....40%
Tinners' Hickory and Applewood, per doz.....75@$1 50

MALLETS—Fibre Head.

| | Small | Medium | Large |
|---|---|---|---|
| Per doz..... | $5 00 | $5 75 | $6 75 |

MATTOCKS.

Regular List.....70%

MEAT CHOPPERS—HALE'S.

| | 11in | 12in | 13in |
|---|---|---|---|
| Per doz..... | $9 25 | $11 50 | $15 75 |

UNIVERSAL MEAT CHOPPERS.

| | No. 1 | No. 2 | No. 3 |
|---|---|---|---|
| Per doz..... | $10 75 | $13 00 | $18 00 |

No. 100 Enterprise Food Choppers.....per doz $9 75
No. 25 Ideal Meat Choppers, per doz..... 9 25

MOWERS, LAWN.

Cheap.....all sizes .....$2 25
Good.....all sizes $2.50@$2 75

| | 10 | 12 | 14 | 16in |
|---|---|---|---|---|
| High Grade..... | $4 25 | $4 50 | $4 75 | $5 00 |

Pennsylvania and Continental Net Price
Genuine Philadelphia Mowers:
Styles M. S., C., K., T., N....60&5%
Style A, (all steel).....70&5%
Style E, Low Wheel.....60&5%
Style E, High Wheel.....70&5%
Drexel.....Net prices
Gold Coins.....Net prices
Dewey's.....Net prices
All Day.....Net prices
XX, 12-in. wheel.....60%
Clippers.....50&10&10%

NAILS—PICTURE.

Discount.....40&15&5%
Brass Head Picture Nails, discount..... 40&10%

NAIL PULLERS.

Giant Pattern, per doz.....$6 25

NAIL SETS.

Octagon.....per gross, $4 00
Round.....per gross, 4 00
Knurled handle, cup point, gro..$7 75

NUT CRACKERS.

No. 12, wood bottom.....$1 85

OILERS.

Tin or Steel.....50%
Zinc.....50&10%
Malleable Hammers .....35%
Malleable Hammers, old pat., same list.....Net

PADLOCKS.

Sargent Dog Collar.....70%
Sargent Wrought Steel and Brass.80%

PAILS.

| | | per doz. |
|---|---|---|
| Galvanized Sap Pails, | 10 qts..... | $1 90 |
| " " " | 12 qts..... | 2 20 |
| " Water " | 10 qts..... | 1 90 |
| " " " | 12 qts..... | 2 20 |
| " " " | 14 qts..... | 2 50 |

PINCHERS.

Carpenters', wrt. iron, pol. steel jaws.....25%
Blacksmiths'.....50%
P. S. & W.....60@10%

PIPES.

GAS.

List March, 1900.
½ to ½ in., black.....discount, 52%
¾ to 12 " " ..... " 60%
⅛ to ½ " galvanized.. " 39%
¾ to 12 " " .. " 47%

PLANES.

Stanley Planes, new list.....20@25%
Standard Bailey Planes.....20@25%

PLIERS AND NIPPERS.

Swedish Side Cutting Pliers.....40%
" End " " .....40%
" Diagonal " " .....40%
Halls Compound Nippers.....40%
U. D. F. & T. Co., all kinds.....Net

PLUMBS AND LEVELS.

Common.....75%
Stanley's Wooden, new list.....70%
Disston's.....75%

POCKET LEVELS.

Stanley's Common, new list.....40%

POACHERS.

Buffalo Steam Egg No. 1, per doz. .....$7 20. 50&10%

POLISH.

POLISH—METAL.

U. S. Metal Polish Paste, 3 oz. boxes, per dozen, 50c; per gr. $4.50; ½lb boxes, per doz. $1.25; 1 lb boxes, per doz .....$ 2 25
U. S. Liquid, 8 oz. cans, per doz. $1.25; per gr..... 12 00
Pride of the Bar Metal Polish, per doz. $1.60, per gr..... 18 00
Universal Paste, 3 oz. boxes.....60%
Burnishine Liquid ½ pt. per doz.$1 60
Burnishine Liquid 1 pt. " 2 75

POLISH—STOVE.

Dixon's.....per gross, $5 75
Dixon's Black Lead.....per lb 6c
Dixon's Fine Plumbago..... " 9c
Dixon's Graphite Plumbago " 16c

POPPERS, CORN.

Round or Square, 1 qt. per doz., 70@75c
Square, 1½ qt.....per doz., 90c
Square, 2 qt.....per doz., 1 20

POST HOLE AUGERS AND DIGGERS.

Iwan's Patent Post Hole Auger..40%
Eureka Perfection Post Hole Digger, per doz.....$6 50
Atlas, per doz..... 8 00

POWDER.

IN CANISTERS.

Duck, 1 lb each.....45c
Fine Sporting, 1 lb each.....75c
Rifle, 1 lb each .....$1 00

IN KEGS.

Duck, 6¼ lb kegs.....$2 50
Rifle, 6¼ lb kegs ..... 1 25
Rifle, 12½ lb kegs ..... 2 25
Rifle, 25 lb kegs ..... 4 00

PRESSES—FRUIT AND JELLY.

Enterprise Manufacturing Co... 25c
Henis .....per doz. $3 10

PRUNING SHEARS.

No. 0, Henry Pattern..per doz. $1 90
No. 01, " " " 2 50
No. 14, " " " 3 15
No. 12, " " " 3 75
9 in., California Pattern, " 4 25
10 in., " " 5 00
No. 1, Buckeye..... " 6 50
No. 2, " ..... " 8 50
No. 3, Draw Cut..... " 15 50
No. 4, " ..... " 16 50

PULLEYS.

Hay Fork, Svl. Sd Eye, doz $1 60@$2 00
Hot House, Awning, etc .....40%
Japanned Clothes Line .....35%
Japanned Screw.....33⅓&5%
Japanned Side.....33⅓&5%
Sash (Auger Mortise):
Common Sense, 1¾ in...per doz. 19c
Common Sense, 2 in.... " 26c
Common Sense, Pat.... " 20c
Empire, 2 in..... " 23c

SASH PULLEYS.

Fox No. 3 or No. 7, 2½ wheel, .....25c per doz
Fox No. 9, 1¾ wheel.....30c per doz
Extra for plated Finish...25c per doz
Extra for Anti-Friction Bronze Bushing.....10c per doz

RAZORS.

Foz Razors No. 42.....per doz. $20 00
" " " 44..... " " 24 00
" " " 82..Platina " 24 00
Discount 40%
Rantankarus.....

REGISTERS.

List Sept. 1, 1901.

All on new list.

Black Japanned Registers, Ventilators, Faces and Borders, .....70&10&5%
White Japanned Registers, Ventilators and Faces....70&10&5%
Bronzed Finishes in Imitation of Gold, Silver, Copper or Bronze.....40&10%
Nickel plated.....50&10%
Electro-Plated in Brass, Bronze Copper or Oxidized Silver .....40&10%
White Porcelain.....40&10%
Solid Brass and Bronze Metal .....40&10%

RIVETS AND BURRS.

Copper Belt Rivets & Burrs. .....60&10&5%
Coppered Iron Rivets.....75c
Tinners Rivets.....75c

ROOFING SUPPLIES.

EAVE TROUGH.

Galvanized Eave Trough.75&10&7½%
Double Bead Galvanized Slip Joint Eave Trough....75&10% &7½%
Double Bead Galvanized Lap Joint Eave Trough....75&10% &7½%

GUTTERS

Roof Gutters, Galvanized.... .....75&10&7½%

PIPE.

Plain Round Pipe, Galvanized. Nested.....70.10-2½%
Plain Round Pipe, Galvanized, Unnested.....70&10%

VALLEYS.

Valleys, in Rolls, IC and IX Terne.70%
Valleys, in Sheets, IC and IX Terne.....70%
Valley Galvanized Iron, Sheets .....60&20%
Valley Galvanized Iron, Rolls.60&20%

HOOKS.

Flashing Hooks.....10%
Wrought Conductor Hooks.....60%

CUT-OFFS.

Kuehn's Galv.....50%
Acme Galv.....10&10%
Acme Tin.....60&10%
Centennial Tin, new list.....60%

EAVE TROUGH HANGERS.

Eave Trough Hangers, Single and Double Bead, Imperial.....15%
Eave Trough Hangers, Single and Double Bead, Wire.....20%

ELBOWS.

One Piece, Conductor Elbows, Galvanized Corrugated.....60%
Adjustable Elbows, Tin.....60%

PREPARED ROOFINGS.

Imperial 2-ply Tarred Roofing complete.....$1 75 per sq.
Imperial 3-ply Tarred Roofing, complete.....$2 00 per sq.

ROPE.

| | Per lb. |
|---|---|
| Manila, 7-16 inch diameter and larger..... | 13½c " |
| Sisal, 7-16 in. and larger.. | 11 c " |

### SASH CORD.

Braided, Drab.....lb 25c
Braided, White, common.....lb 19c
Cable Laid Italian....lb, A 18c, B 16c
Common India.....lb 9c@9½c
Cotton Sash Cord, twisted.....12@16c
Patent Russia.....lb 12½@13c
Cable Laid Russia.....lb 13½@14c
India Hemp, braided.....lb 14@15c
India Hemp, twisted.....lb 10@12c
Patent India, twisted.....lb 10@12c
Pearl Braided, cotton.....lb 17@18c
Massachusetts, white.....lb 22½c
Massachusetts, drab.....lb 20½c
Eddystone, Braided, cotton....lb 19c
Harmony Cable Laid Italian...lb 18c

Ossawan Mills:
Crown, Solid Braided, white..lb 18c
Braided, Giant, white.....lb 17c

Peerless:
Cable Laid Italian.....16c
Cable Laid Russian.....14c
Cable Laid India.....12c
Braided India.....18c
Phœnix, white.....19c

Samson:
Braided, Drab Cotton.....lb 32½c
Braided, Italian Hemp.....lb 32½c
Braided, Linen.....lb 49c
Braided, White Cotton, Spot, lb.....28½c

Silver Lake:
A quality, Drab, 40c.....15¢
A quality, White, 35c.....15¢
B quality, Drab, 35c.....15¢
B quality, White, 30c.....15¢
Italian Hemp, 40c.....15¢
Linen, 57½c.....15¢

### SASH LOCKS.

Ives, Patent.....60@60&5¢
Harlew's Burglar-Proof Ventilating.....Net
Payson's Perfect.....Net
Payson's Signal (new list).....Net

### SASH WEIGHTS.

Sash Weights, f. o. b., Chicago, per ton.....$25.00

### SAWS.

Atkins' Circular.....Net
Atkins' Band.....Net
Atkins' Cross Cuts.....Net
Atkins' Mulay, Mill and Drag....40¢
Atkins' One-Man Saw.....Net
Atkins' Circular Solid and Inserted Tooth.....50¢
Atkins' Bands over 2 in. wide....60¢
Atkins' Bands under 2 in. wide.....57&10¢
Atkins' Mill, Mulay and Drag....50¢
Atkins' Cross Cuts.....40¢
Atkins' One-Man.....40&10¢
Atkins' Narrow Cross Cuts.....40¢
Atkins' Wood Saws and Blades.....40&10¢
Atkins' Hand Saws.....40¢
Atkins' Compass Saws.....50¢
Atkins' Butcher Saws.....40&10¢
Disston Circular Solid and Inserted Tooth.....50¢
Disston Cross Cuts.....Net
Disston Narrow Cross Cuts.....Net
Disston, Mulay, Mill and Drag...40¢
Disston Framed Woodsaws.....35¢
Disston Woodsaw Blades.....40¢
Disston Woodsaw Rods.....25¢
Disston Handsaws, Nos. 12, 99, 9, 16, D100, D8, 120, 76, 77, 8.....25¢
Disston Hand Saws, Nos. 7, 3....30¢
Disston Compass, Keyhole, etc..25¢
Disston B'tch'r Saws and Blades 35¢

### SAW SETS.

Common Lever.....per doz. $ 1.20
Stillman's Lever.....per doz. 1.30
Leach's.....per doz. 5.00
Nash's.....per doz. 4.20
Monarch.....per doz. 6.50
Morrill's, Old Style....per doz. 5.00
" No. 1.....per doz. 7.25
" No. 3 & 4 X Cut.per doz. 11.50
" No. 11.....per doz. 8.40
Aiken's Pattern.....per doz. 3.50

### SAUSAGE STUFFERS AND PRESSES—ENTERPRISE.

| No. | 15 | 25 | 35 |
|---|---|---|---|
| New list | $4.50 | $5.50 | $7.00 |

Discount 25%.

### SAW FILERS.

Stearns'.....25¢
Silent saw.....35¢
Sargent's.....60&30¢
Reading.....37½¢

### SCALES.

Union Family, 1 oz. by 240 lbs., .....each, $ 2.15
Common Platform, capacity 100 lbs.....each, 10.50
No. 33, Turnbull's Patent Market.....each, 8.50
No 43, Turnbull's Patent Market.....each, 9.00

### SCREWS.

BENCH AND HAND.

Bench, Iron.....per doz. 40¢
Bench, Wood, Beech..per doz. $3.50
Hand, Wood.....20¢

COACH, LAG AND HAND RAIL.

Coach and Lag, Gimlet Point.70&10¢
Hand Rail, list Jan. 1, 1871.....75¢

JACK SCREWS.

Jack Screws.....7

### WOOD.

MANUFACTURERS' CIRCULAR PRICE

New List.
Flat Head Steel.....90&5¢
Round and Oval Head Steel..85&10¢
Flat Head Brass.....85&10¢
Round and Oval Head Brass..80&15¢
Flat Head Steel, Japanned...80&15¢
Flat Head, Bright..discount, 90&10¢

### SCYTHES.

Blood's.....$ 5 50
Clover..... 5 50
Grain Clipper, Blood's..... 10 50
Hollow Clip..... 5 50
Silver Clip..... 5 50
Honest Dutchman..... 5 50

### SCYTHE STONES.

Black Diamond.....per gross, $7.75
La Moille..... " 7.00
Willoughby Lake..... " 6.35
Pikes Gen. No. 1 Ind. Pond..... " 4.75
Green Mountain..... " 4.25
Red End..... " 3.15

### SHEARS.

| | 7 | 8 | 9 in. |
|---|---|---|---|
| Best | $16.00 | $18.00 | $20.00 gro. |
| Good | 13.00 | 15.00 | 17.00 gro. |
| Cheap | 5.00 | 6.00 | 7.00 gro. |

Straight Trimmers, &c.:
Best Quality Jap.....70@70&10¢
" Nickel.... 60@60&10¢
Fair Quality, Jap.....80@80&5¢
" Nickel.....75@75&10¢
Tailors' Shears.....40@40&10¢
Acme Cast Shears.....40@40&5¢
Heinisch's Tailors' Shears.40@40&5¢
Wilkinson's Hedge.....50¢
Wilkinson's Sheep.....1900 list, 50¢

### NO. BBA. SHEEP SHEARS.

| | 6 in. | 6½ in. | 7 in. |
|---|---|---|---|
| Reg. Grip | $11.00 | $11.35 | $12.00 doz. |
| Nar. Grip | 11.20 | 11.00 | 12.15 " |

### SHINGLES, METALLIC.

Eastlake I. C. Tin Shingles, painted, per sq.....$4.25
Eastlake I. C. Tin Shingles, galvanized, per square..... 6.00
Octagon Fluted I. C. Tin Shingles, painted, per square..... 5.50
Octagon Fluted I. C. Tin Shingles, galvanized, per square... 7.25

### SIEVES.

Champion.....per doz. $1.00
Hunters' Genuine.....per doz. 1.20
" Imitation.....per doz. 1.00
Tin Rim, 16 mesh plain wire " 1.40
Wood " 16 mesh plain wire " .85

### SIFTERS.

Eclipse.....per gr. $15.00
Hunter's Genuine.....per gr. 16.00

### SKATE SHARPENERS.

Skate Sharp., Eureka, pr dz. $2.00 net
Washer Cutters, Woodard's, per doz..... 2.50 net

### SLATE.

GENUINE NO. 1 BANGOR.

| | | | |
|---|---|---|---|
| 24x14, 24x12, 12x 8 | $3.50 pr sq. | 20x10, 18x10, 18x 9, 16x 8 | $4.50 pr sq. |
| 22x11, 20x12, 18x12, 16x12, 14x10, 14x 8, 14x 7 | $3.75 pr sq. | 16x10, 16x 9 | $4.25 pr sq. |
| | | 12x 7, 12x 6 | $3.25 pr sq. |

GENUINE NO. 1 BANGOR RIBBON.

| | | | |
|---|---|---|---|
| 24x14, 24x12 | $3.00 pr sq. | 20x10, 18x10 | $3.50 pr sq. |
| 22x11, 20x12, 14x 8, 14x 7 | $3.25 pr sq. | 18x 9, 16x10, 16x 8 | |

### SMOKED BEEF SHAVERS—ENTERPRISE.

New List, $8.00. Discount.....25¢

### SNAPS.

German.....40@40&10¢
Covert Mfg. Co.:
Derby.....35&2¢
High Grade.....45&2¢
Jockey.....40&2¢
Trojan.....45&2¢
Yankee.....35&2¢
Yankee, Roller.....30&2¢
W. & E. T. Fitch Co.:
Bristol.....40&10¢
Empire.....50&5¢
German.....40¢
National.....50&5¢
Perfect.....45¢
Clipper.....50&5¢
Champion.....40¢
Security.....40¢
Victor.....60&5¢
Oneida Community:
Solid Steel.....65@65&1¢
Solid Swivel.....65&10@65&10&10¢
Sargent's Patent Guarded..66⅔&10¢

### SOLDERING FURNACES.

No. 3 Gems, tin reservoir.....$6.00
No. 6 Gems, copper reservoir.... 8.50
Gem Gas Pots..... 3.25
Clayton & Lambert No. 1 Fire-Pot..... 6.00
Clayton & Lambert's Special Fire-Pot..... 4.50

### SPRINGS, DOOR.

Star (Coil) list Oct. '95.....net
Torrey's Rod, 39 in..... .....per doz. $1.25@$1.35
Warner's No. 1.....net 75

### SQUARES.

Steel and iron.....70&10¢
Nickel plated.....70&10¢
Try squares and bevels, Disston's.....33⅓&10¢
Bemis and Call, pocket.....30¢
Winterbottom's try & mitre.....50¢
Starrett's.....25¢
Stanley's Rosewood Handled, T., new list.....40&10¢

### STAPLES.

Barbed Blind.....per lb., 9½&10c
Poultry Netting, per lb., 5c in 10 lb bxs

### STAPLE PULLERS.

Russell Staple Pullers..per doz., $8 75

### STOVE PUTTY.

1, 10&25 pound Cans.....per lb., 5c
500 pound Kegs.....per lb., 4½c

### STROPS.

RAZOR.

Emerson.....60 to 60&5¢
Imitation.....20, 10&5¢
Torrey's.....20¢
Tower & Lamont.....per doz $4 00
04 Combination.....per doz $3 75

### TACKS.

List Jan. 15, '99.
Carpet Tacks, American.....90&10¢
American Cut Tacks.....90¢
Swedes Iron Tacks.....90&20¢
Swedes Upholsterers' Tacks..90&40¢
Gimp Tacks.....90&40¢
Lace Tacks.....90&20¢
Trimmers' Tacks.....90&20¢
Looking Glass Tacks.....20&10¢
Bill Posters' & Railroad Tack90&40¢
Hungarian Nails.....80¢
Common and Patent Brads...80&10¢
Trunk and Clout Nails.....80¢

### TRAPS.

GAME.

Oneida Pattern.....75&5@75&10&5¢
Newhouse.....50¢
Hawley & Norton.....70¢
New Victor.....80¢
Star (Blake Pattern)...65&10@70&5¢

MOUSE AND RAT.

Mouse, Wood, Choker, doz. holes..10c
Mouse, Round or Square Wire, doz.....$0 85@1 00
American Pattern French Rat and Mouse Traps—
No. 1, Detroit Marty Pattern, per doz. $4 50; in ½ gro. lots per doz..... $4 00
No. 2, Detroit Marty Pattern, per doz. $3 25; in ½ gro. lots per doz..... $3 00
Detroit Marty Pattern Mouse per doz. $3 00; in ½ gro. lots per doz.....$1 75
Diamond Joe Mouse Traps, per doz.....60c
Diamond Joe Rat Traps, per doz.$1 00
Marty French Rat and Mouse Traps. (Genuine:)
No. 1 Rat, per doz.....$13 50
No. 3, Rat, per doz. $6 00; case of 50.....$6 50 doz.
No. 5, Mouse, per doz. $2 75, case of 72.....$3 00 doz.
Schuyler's Rat Killer, No. 1 per gro. $30 00; No. 2, per gro. $30 00; Mouse, No. 3, $18 00.. 50¢

FLY.

Balloon, Globe or Acme..... doz. $1 15@1 25; gro.....$12 00
Harper, Champion or Paragon. doz. $1 25@1 40; gro.....$15 00

### TWINE.

Flax Twine—

| | BC | B |
|---|---|---|
| No. 9, ¼ and ½ lb. Balls | 20c | 24c |
| No. 12, ¼ and ½ lb. Balls | 17c | 20c |
| No. 18, ¼ and ½ lb. Balls | 14c | 17c |
| No. 24, ¼ and ½ lb. Balls | 14c | 17c |
| No. 36, ¼ and ½ lb. Balls | 13c | 16c |
| Chalk Line, Cotton, ½ lb. Balls | 18@20c | |
| Cotton Wrap., 5 lb. Balls to lb | 16 to 20c | |
| 2-Ply Hemp, 1½ lb. Balls (Spring Twine) | 12@15c | |
| 3-Ply Hemp, 1 lb. Balls | 12@15c | |
| 3-Ply Hemp, 1½ lb. Balls | | |
| 2, 3, 4 and 5-Ply Jute, ½ lb. Balls | 10c | |
| Mason Line Linen, ½ lb. Balls | 45c | |
| No. 264 Mattress, ¼ and ½ lb. Balls | 34c | |
| Wool | 5½@6c | |

### TWINE BOXES.

| No. | 20 | 30 | 25 | 35 | 131 |
|---|---|---|---|---|---|
| Dozen | $1 35 | $1 35 | $2 65 | $2 65 | $3 50 |

### VISES.

Solid boxes.....50¢
Parker's.....20¢
Howard's.....35¢
Bonney's.....35¢
Trenton.....40¢
Stearns'.....50¢
Cheney's.....20¢
Massey's.....25¢
Parallel.....30&5¢
Holland's.....35¢
Stevens'.....25¢
Miller's Falls.....40¢
Prentiss.....20¢

### TROWELS.

Disston Brick and Pointing.....30¢
Disston Plastering.....25¢
Disston "Standard Brand" and Garden Trowels.....33⅓¢
Never-Break Steel Garden Trowels.....gro. $7 00
Peace's Plastering.....30¢
Rose Brick and Plastering.....20¢
Woodrough & McParlin Pl'st'ing20¢

### WASHERS.

LEATHER, AXLE.

Solid.....80&10&10@85¢
Patent.....85&10@85&20¢

| Coil: | ⅜ | 1 | 1⅛ | 1¼ inch |
|---|---|---|---|---|
| | 16c | 17c | 20c | 25c per 100 |

IRON OR STEEL.

| Size bolt | 5-16 | ⅜ | ½ | ⅝ | ¾ |
|---|---|---|---|---|---|
| Washers | $5 20 | $4 30 | $3 00 | $2 80 | $2 60 |

In lots less than one keg add ¼c per lb; 5-lb boxes add ⅛c to list.

CAST WASHERS.

Over ½ inch, barrel lots, per lb.....1½@1¾

### WASHING MACHINES—BOSS.

| No. 1 | No. 2 | No. 5 | No. |
|---|---|---|---|
| $4 75 | $5 25 | $5 75 | $5 25 |

### WASH TUBS.

Wash tubs, gal'ized, No. 1, pr dz $5 50
" " " " 2, " 6 00
" " " " 3, " 6 75

### WELL WHEELS.

8-in. $1 90.....10-in. $2 20
12-in. $3 00.....14-in. $5 50

### WIRE AND WIRE GOODS.

Brt. and Ann., 6 to 9,70&10@70&10&5¢
Brt. and Ann., 10 to 18,72½@72½&10¢
Brt. and Ann., 19 to 26,75&7½@75&10¢
Brt. and Ann., 27 to 36..... .....75&10&5@75&10&7½¢
Cop'd and Galv., 6 to 9.....70@70&10¢
Cop'd and Galv., 10 to 18..... .....70&10@70&10&5¢
Cop'd and Galv., 19 to 26..... .....75&7½@75&10¢
Cop'd and Galv., 27 to 36..... .....75&10@75&10&5¢
Tinned, 6 to 14.....75@75&5¢
Tinned, 15 to 18.....70&5@70&10¢
Tinned, 19 to 26.....70@70&5¢
Tinned, 27 to 36.....65&10@70¢
Annealed Wire on Spools..... .....70&5@70&10¢
Brass and Copper Wire on..... Spools.....50¢
Brass, list Feb. 26, '96.....15¢
Copper, list Feb. 26, '96.....20¢
Cast Steel Wire.....50¢
Stubs' Steel Wire, $6 00 to £.....40¢
Bright Wire Goods.....85¢
Annealed Wire in Stones.....70&5¢
Brass Wire in Coils.....15¢
Copper Wire in Coils.....20¢
Brass and Copper Wire in Spools50¢

BRIGHT WIRE GOODS.

List April 1, 1901.....85¢

WIRE CLOTH AND NETTING.

Galvanized Wire Netting.....85¢
Ptd Screen Cloth, per 100 ft.....$1 00
Light Hardware Grade:
2-8 Mesh, Plain (8c list) sq ft., full rolls.....1⅞c
2-8 Mesh, Galv (8c list) sq ft', full rolls.....2¾c
Poultry Netting.....85¢

### WRENCHES.

Agricultural.....70&10¢
Case lots.....75c¢
Acme.....60¢
Baxter's S.....60¢
Bull Dog.....70¢
Coe's Genuine.....40&10&10¢
Coe's "Mechanic's".40&10&10&5&5¢
Alligator.....60&10&10¢
Bemis & Call's:
Adjustable S.....35&5¢
Adjustable S Pipe.....40¢
Briggs' Pattern.....30&10¢
Combination Black.....40&5¢
Combination Bright.....40¢
Cylinder or Gas Pipe.....55¢
Extra Heavy.....45¢
Merrick's Pattern.....50¢
No. 3 Pipe Bright.....55¢
Bindley Automatic.....30¢
Boardman's.....33⅓¢
Donohue's Engineer.....40&10¢
Eagle.....50&10¢
Gem Pocket.....30¢
Hercules.....70¢
Knife Handle, (Machinists' W. & B.).....40&10¢
Case lots.....50&5¢
Less than case lots.....6¢
Improved Pipe (W. & B.).....50&10¢
Solid Handles, P. S. & W.....50&5¢
Soveenson..... 100

### WRINGERS.

CLOTHES WRINGERS.

Nos 22&110, guaranteed. pr doz $28 00
No. C 350, Novelty..... " 22 50
No. 3, Empress..... " 25 50
No. 150, Sunshine..... " 18 00
No. 130, Mendota..... " 18 00
No. 12, Success..... " 16 00
No. C 500, Royal..... " 28 00
Blue Bell, Ball Bearing " 25 00

# Wants and Sales.

**For yearly subscribers to THE AMERICAN ARTISAN will be inserted under this head advertisements of six lines WITHOUT CHARGE, for employers wishing to secure employes, persons seeking situations, parties desiring to purchase a business, businesses for sale, partners wanted, to exchange, etc. Those who respond to these announcements will please mention that they read the advertisement in THE AMERICAN ARTISAN.**

## BUSINESS CHANCES.

**PATENTS** HUBERT E. PECK, 623 F St., N. W., Washington, D. C. Consulting Expert in Patent Causes, U. S. and Foreign Patents. Send for leaflet on "Rejected Patent Applications." Honest work but no "Something for Nothing" offers.

For Sale—Stock of hardware; in railroad division town of 2,500 inhabitants and doing business of $25,000 annually. Address "M. F.," care of The American Artisan, 69 Dearborn Et., Chicago, Ill. 12

Wanted—Location for hardware store; and anyone desiring a No. tinner for partner. Address "No. 41," care of The American Artisan, 69 Dearborn St., Chicago, Ill. 12

For Sale—Cheap for cash, one full set P. S. & W. tinners' tools, including 4-foot brake. List on application. Lock Box 758, South Bend, Ind. 12

For Sale—Hardware stock, heating and plumbing business; stock will invoice about $4,500.00; located in one of best small towns in Central Illinois. Can be bought with or without building. Address "Illinois," care of The American Artisan, 69 Dearborn St., Chicago, Ill. 12

For Sale—A good hardware and harness stock; in a German Iowa town. Address "Iowa," care of The American Artisan, 69 Dearborn St., Chicago, Ill. 12

For Sale—A stock of general hardware, tinsmithing and plumbing; in a good factory town in Southern Michigan of 4,000. Stock will invoice from $2,500 to $3,000. Address "No. 100," care of The American Artisan, 69 Dearborn St., Chicago, Ill. 11

For Sale—I have hardware stock for sale; in the best location for business in Northern Iowa. All new, clean goods; will invoice about $3,000; reason for selling, have too much other business to look after; will sell on liberal terms to suit purchaser. This business will pay for itself in two years and will well pay the immediate investigation of anyone looking for a first-class opportunity in the hardware business. Address "Box H. D.," care of The American Artisan, 69 Dearborn St., Chicago, Ill. 11

For Sale—A $3,000 stock of hardware, tinners' tools and a few Fixtures; located in one of the best county seat towns in South Dakota; stock strictly up-to-date and doing a good business; good reason for selling. Address, "South Dakota," care of The American Artisan, 69 Dearborn St., Chicago, Ill. 11

For Sale—A stock of hardware, stoves, tinware, tinners' tools, and fixtures; a good chance for the right man to make some money. Address, James S. Eads & Co., 267 State Street, Hammond, Indiana. 11

Wanted—To buy half interest in hardware and tin shop; I am experienced in this business; can give bankable reference. Give full particulars of your business; do not answer this if business will not pay. Address "D. B.," care of The American Artisan, 69 Dearborn St., Chicago, Ill. 11

For Sale—20" Bar Folder, Peckston; 20" Stow Grover; 30" Wright Folder, good condition, $15.00. Address "Irving," care of The American Artisan, 69 Dearborn st., Chicago, Ill. 13

For Sale—$6,000 stock stoves and tinware, roofing, spouting and plumbing stock; a good chance to secure a first-class stock doing a good business in a town of 9,000, and good country trade; old established trade in central Ohio town. Address "Ohio," care The American Artisan. 13

For Sale—Hardware business and good will of trade; tinning, furnace and plumbing connected with the business; long established; location, Cleveland; good reasons for selling; will be sold at a bargain if sold soon. Address "Smith," 296 Kanard st., Cleveland, O. 13

No. 1 Peck Stow & W. shear and punch, list $16, for $8.00; two sets slater's tools, both $5.00; two pair Burrit's roofing double saws, list $30, for $10. Address Graves Sheet Metal Works, Kansas City, Mo. 13

## TINNERS' TOOLS.

Wanted—2nd hand drop press and 36 in. or 48 in. cornice brake, iron or wood. Address, V. H. P., 134 3d St., Aurora, Ill. 11

For Sale—A 10-foot new Robinson Pattern Brake with lot tinners' tools, machines, roofing and slater tools, etc., for $5 0 0. "W. H. J." care of Illinois Roofing and Supply Co., 21 Lake St.

## HELP WANTED.

Wanted—A young man, German preferred, with several years' experience at tinners' trade; and willing to make himself generally useful in retail hardware store; steady job; in answering state salary expected. Address "German," care of The American Artisan, 69 Dearborn St., Chicago, Ill. 12

Wanted—At once, a good, all-around tinner and furnace man; with knowledge of plumbing to take charge of all outside work and willing to work anywhere about the business. It's a good, steady job; he must be sober and honest. Address "Soon," care of The American Artisan, 69 Dearborn St., Chicago, Ill. 12

Wanted—A young man that can do all kinds of inside and outside tinwork; also hot air furnace work; must be sober and reliable; steady job the year around. Address "Outside," care of The American Artisan, 69 Dearborn St., Chicago, Ill. 12

Wanted—Expert spinners; to work on spinning lathes in stamped ware factory, on iron shapes. Address, Lisk Mf'g Co., Limited, Canandaigua, New York. 12

Wanted—A first-class tinner; for roofing, cornice work, gutters and pump work; one who understands plumbing and hot water heating preferred. Must be sober, industrious and honest. Good wages; steady work the year through. Address H. P. Fulton, Marshall, Minn. 12

Wanted—A young, active, all-around tinner; one who can do all kinds of general job work in a country town; competent to attend and look after the store when needed. Don't want anyone who is a "Bum" or a "Lusher;" steady work to right kind of a young man. A German or one who speaks the tongue preferred. Address "Box A. K.," care of The American Artisan, 69 Dearborn St., Chicago, Ill. 12

Two Tinners Wanted—A first man and a second man; must be good on furnace, roofing, eavetrough and job-work; good wages; steady work. Only first-class men need apply. E. N. Howell Hardware Co., Dixon, Ill. 12

Wanted—To correspond with party having some experience in tin shop and bicycle repairing; good, steady job to right party. Address Box 113, Dallas, Wis.

Wanted—A man who can do plumbing, hot water and steam heating. To the right man we can give steady employment. Miles & Ulmer, Miles City, Mont. 13

Wanted—At once, a sober and industrious tinner, and a good salesman in store, one that can do bicycle and gun repairing, brazing and furnace work; one that can speak German preferred. Steady work to the right man; answer, stating wages. Mann & Co., Pierson, Iowa. 13

Wanted—Stove salesman for state of Illinois and Iowa. Must be able to command trade. Address Stove Salesman, care of The American Artisan, 69 Dearborn st., Chicago, Ill. 13

Wanted—Good tinner. Address F. B. Karl, Delaware, Ohio. 13

Wanted—Bright young man who is up on tinsmithing and bicycle work and is also good on repair work; will pay good wages. Address "Minnesota," care of The American Artisan, 69 Dearborn st., Chicago. 13

Wanted—At once, a first-class tinner and slate roofer; must be good all-round mechanic; steady job the year through for good man. Answer at once, stating wages, age and experience. Address H. VonBlon, Upper Sandusky, O. 13

Wanted—Young man with one or two years' experience at tinner's trade; wages not less than $8.00 a week, to work as helper, with chance to learn more about the business. Address P. McCartney, West Chicago, Ill. 13

I want an all-round tinner; one that can do all kinds of tinwork inside and outside; also hot air furnace work; is a steady job; must be sober and honest; nothing but first-class man wanted. Address "All Round," care of The American Artisan, 69 Dearborn st., Chicago, Ill. 13

Wanted—Position in hardware and implement store by young married man; have had about twelve years' experience; sober and industrious. Address Lock Box 2, Cisco, Ill. 13

Wanted—A first-class tinner and furnace man; one that can do general tinsmithing and pipe and pump work and bicycle repairing; steady work and good wages to the right man. Write, stating age, married or single, salary expected. McIntosh Hardware Co., Kohspell, Mont. 13

Wanted—A good, sober, honest and reliable tinner; steady work for the right man; state wages, Buol Bros., Randolph, Neb. 13

Wanted—A good tinner at once. Address Day-Lindsey Hdw. Co., Omro, Wis. 13

A good all-round tinner wanted; wages $2.00 per day; steady job to a good man. Address Chas. Skidd, 121 Mil. ave., Kenosha, Wis. 13

Wanted—At once, an A1 all-around tinner and sheet metal worker, that understands furnace work, metal ceiling work, also cornice work; will give steady work at good wages; no intoxicants need apply. Wm. R. Williams, Lock Box 505, Mason City, Ia. 13

At once, a good, sober tinner that can do some plumbing and clerking in a hardware store if needed; a steady job for the right man; will assist in paying the railroad fare out here, which is now from Chicago $30.00; a fine country and good climate; a married man preferred; will pay good wages and have a nice place to work; in one of the best farming towns in state of Washington; state age, experience and habits in first letter, as we may telegraph answer. Address Barroll & Mohney, Colfax, Wash. 13

First Class Tinner Wanted—By April 1st, 1902; one that understands some plumbing and pump work, good salesman; steady work to right party; give reference; and state wages and how long experience. Lock Box 87, Armstrong, Iowa. 12

Wanted—A sober tinner who can do inside and outside work; steady job for right man; would like a single man who can tend to his work and help clerk in store if needed; easy job; write at once; give references and wages. A. W. Goldschmidt, Kinsley, Kansas. 12

Wanted—A tinner who understands hot air heating, and is steady, sober, and speaks German or Scandinavian. Wages $10.00 per week and 15% of profits. J. W. Ryan, Salem, S. D. 12

Wanted—At once, a good tinner and furnace man; prefer one that can do plumbing; have a good steady job for a good man; state wages and reference. H. B. Brown, Wyoming, Ill. 11

Wanted—Tinner, good, all around man for work in country shop; must be reliable, steady and sober; to go to work at once; address stating wages, Boyd Bros., Glen Ellyn, Ill. 11

Tinner Wanted—April 1st; good, practical tinner, who understands furnace work; steady job and fair wages. J. N. Fryder, Osceola, Wis. 11

Wanted—Strong, active boy from 18 to 20 years of age to learn trade; or boy with one year's experience to finish trade. Address Niergarth & Donnelly, Tinners, Plumbers and Steam Fitters, Gridley, Illinois. 11

Wanted—As tinner, a sober, industrious, first-class man; that has also had some experience in plumbing, hot water, furnace heating and pump work; the right man can have a place for years to come; state wages, experience, etc. Address Schilling Bros., State Center, Iowa. 11

Wanted—A traveling salesman to handle a line of stoves on commission in Indiana and Illinois. Address "N. S. M. C.," care of The American Artisan, 69 Dearborn St., Chicago, Ill. 11

## SITUATIONS WANTED.

Situation Wanted—By a first-class tinner and furnace man; have had 18 years' experience; can do hot water heating, pump and mill work. Address, J. H. Tugoning, Shullsburg, Wis. 12

Wanted—A situation as salesman or manager; for stove foundry by a first-class man of 26 years' experience; good references; understands his business thoroughly; has been manager for some time. Box 469 P. O., Louisville, Ky. 12

Partner Wanted—First-class sheet metal worker and furnace man, with knowledge of plumbing; would go in as working partner with man already established in business. Place must have 2,000 or more inhabitants, and be located in Iowa, Minnesota or South Dakota. No money to invest. Address "Partner," care of The American Artisan, 69 Dearborn St., Chicago, Ill. 11

Situation Wanted—By first-class tinner and furnace man; experienced in pump work and pipe fitting; married man; wants steady job; state wages. Address "First Class," care of The American Artisan, 69 Dearborn St., Chicago, Ill. 11

Wanted Position—By experienced man, position as clerk in hardware store; have fair knowledge of tinners' trade, can repair bicycles; can furnish reference. Address, O. S. Butler, Bloomfield, Mo. 11

Situation Wanted—By a good, first-class tinner and iron worker; extra good on job work; temperate; reliable; references given; would like situation in town of about 18,000 to 20,000. Address Box 75, Oelwein, Iowa. 13

Wanted—Permanent situation by a practical hardware man of over 14 years' experience in hardware business as salesman of hardware, stoves and bicycles; can speak and understand English, Swedish, Norwegian and Danish. Address Box 208, Galesburg, Ill. 13

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**MONTAGUE COHEN**
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Can accept the agency for a few lines of American manufacture in British Isles and Continental Europe. Will give prompt attention to same. Can furnish references. 16

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Tenant can place his name on my new modern up-to-date building, 12 Elm Street, near Duane Street, New York, five stories, electric elevators, well lighted. A good permanent tenant can secure a bargain. Address the owner John T. McRoy, 302 Broadway, N. Y.

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C. E. SMITH, Port Arthur, Tex.

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Sheet, cut or uncut, Powdered and Flake
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"WHILE YOU SLEEP"
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"Please take out our ad. "Lathe Wanted". We have bought one. We are much pleased with the result of the ad. and must say we are more than pleased with The American Artisan, which we look forward to every week with pleasure."

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BEST IN THE WORLD.

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BUY IWAN'S VOLCANO AND YOU WILL MAKE NO MISTAKE. SATISFACTION GUARANTEED.

**Why Iwan's Volcano Revolving Chimney Top Excels all Others:**

1st. The iron mountings are composed of only two parts, and no pins or wire are required to hold down cap.

2d. It protects chimney fully from rain, sleet and snow, and prevents all down ward draft.

3d It has a Deflector corresponding with Hood, by which is formed the sloped opening in back of hood, which creates a strong upward draught, and allowing free passage of smoke. No other chimney top possesses these advantages.

If iron mountings only are ordered, patterns for hood and vane will be furnished free of charge.

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**Sold by the Jobbing Trade.**

**Iwan Bros.,** Mfrs. of Hardware Specialties, Streator, Ill

**Tinners all like 'em.** Yes, they all like the **POWERS Automatic** Chimney Top. They make chimneys and stoves draw satisfactory. They **create demand** for Gal. Iron **smoke stacks, give employment to tinners** and **profit to all.** Cover is **easiest made** and **most effective.** Wind **blowing** past cover makes a vacuum, causing strong **up Draft.**

Architects specify them. **Tinners** all **prefer them. Dealers** sell them. **Powers** sell **Iron Mountings, Tinners do the rest.**

**POWERS BROS.**
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Sole makers.

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No chimney is complete without one.

Design Pat. Feb. 1, '98. We can now make prompt shipments, and solicit orders from the jobbing and retail hardware trade.

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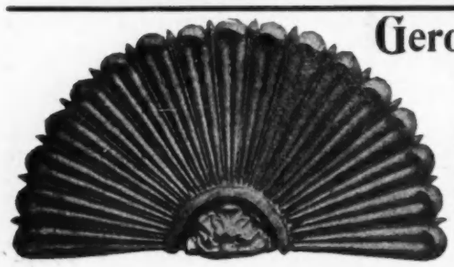

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**STOVE BOARDS**
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WRAPPING,
WRITING,
NEWS,
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It is the trade mark stamped on every sheet of the best roofing tin. **MF** tin has been more than fifty years the English standard for best roofing—is the American standard—the world's standard now. **MF** roofing tin resists every unfavorable weather condition.

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makes the best, the driest roof; lasts longer than any other form of roofing; costs no more than a roof that burns, or melts, or freezes, or breaks. Ask your roofer, or

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The best and most durable made.
A deserved favorite with the trade wherever tried.
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Made of Galvanized Iron in Ten-Foot Lengths without a Cross Seam. Will not burst when full of ice.

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we are offering you a quart size torch having every improvement that improves, and which we warrant to please you. Your money back if it does not. The burner produces a clear, blue, blast flame, consuming very little gasoline; in fact, the user will soon save the cost of the torch in the saving of gasoline alone. Remember you buy fuel all the while. A dollar saved is better than two earned. Jobbers supply at factory price, or we will ship direct by paid express upon receipt of $3.00.

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The same may be applied to Metal Ceilings. If you wish to be "An Is 'er," or a leader, and winner, depends upon what Metal Ceilings you handle. The "Has-Been" ones will lose you trade and prestige where the right ones would help you win them. The right ones are

## Berger's "Classik" Ceilings

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The dealer who handles them has substantial inducements to offer his trade:

1. Greater variety of patterns to choose from.
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The only Stove Lining made of crucible materials.
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**STOVES AND HEATERS**

that are easily sold and STAY SOLD. We have been very successful in designing patterns for such.

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ASK YOUR DEALER FOR THESE GOODS.

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and cut wire, you should use the Bull Dog End Cutting Nipper, the GREEN BOOK of Hardware Specialties tells of. This Nipper is forged from special tool steel and for cutting it is unequaled.

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*Order from your Jobber*

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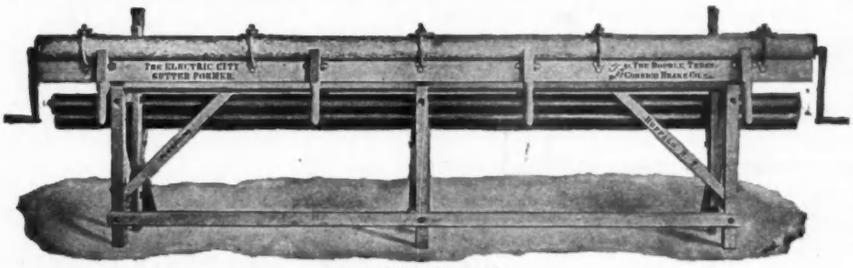


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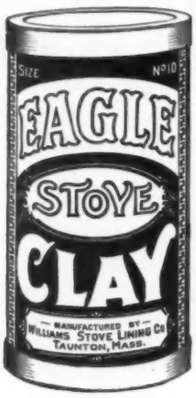
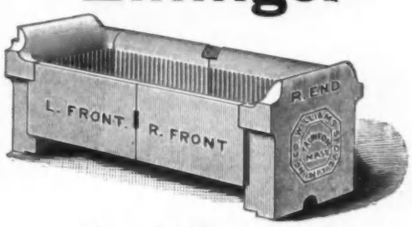



# Brick Stove Linings.




**Prompt Shipment and Best Quality Guaranteed.**

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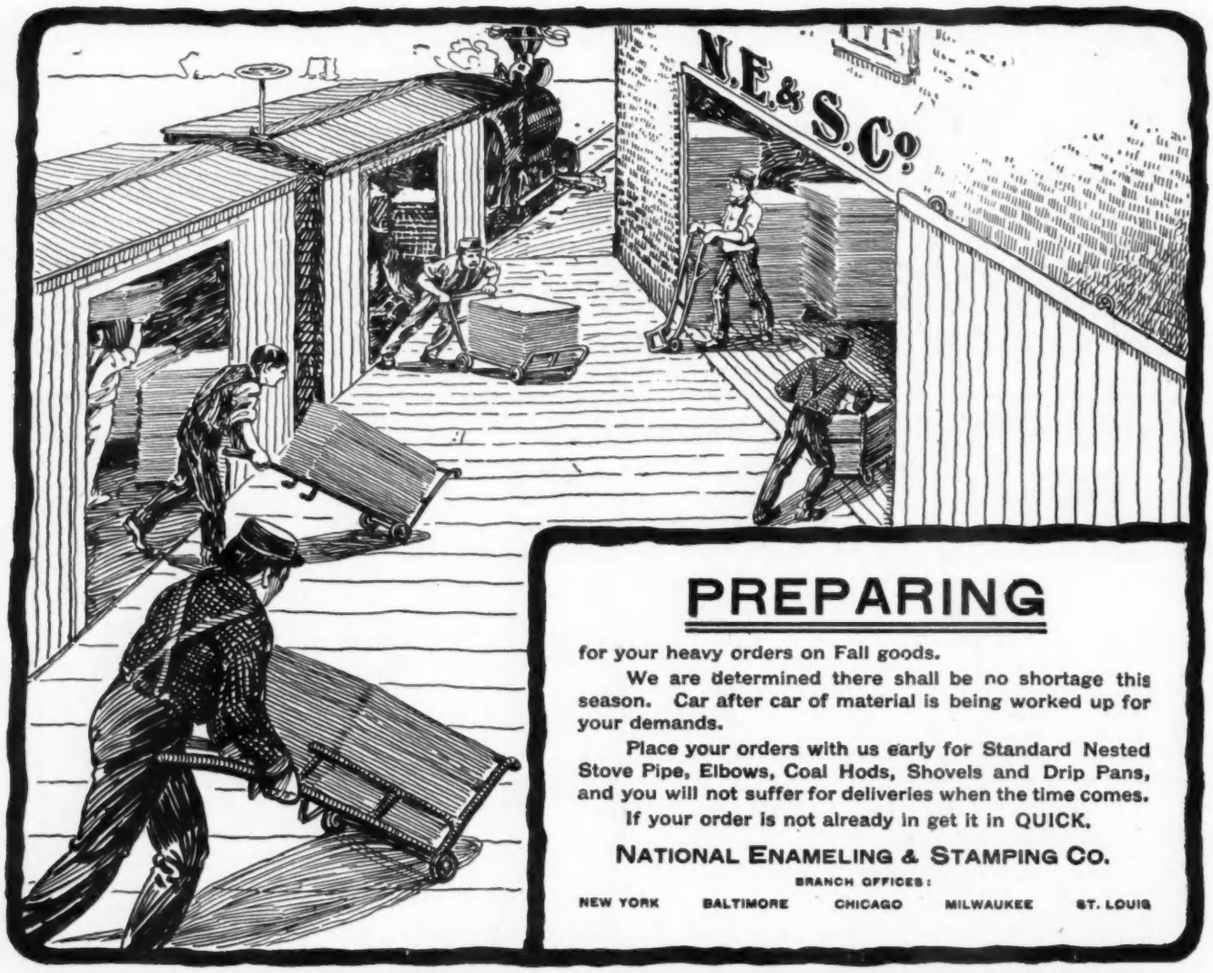


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for your heavy orders on Fall goods.

We are determined there shall be no shortage this season. Car after car of material is being worked up for your demands.

Place your orders with us early for Standard Nested Stove Pipe, Elbows, Coal Hods, Shovels and Drip Pans, and you will not suffer for deliveries when the time comes.

If your order is not already in get it in QUICK.

**NATIONAL ENAMELING & STAMPING CO.**

BRANCH OFFICES:

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**AD-EL-ITE SPECIALTIES ARE LEADERS AND MONEY MAKERS.**

**MAKE YOUR HOME** attractive and beautiful by using

**AD-EL-ITE TINTED ENAMELS**

—weather and wear proof—

PERFECT DURABLE LUSTROUS

Refinish your iron beds, walls, furniture and a thousand other articles at a trifling cost. Attractive advertising matter and signs. A good, live dealer wanted in every town. Further particulars free.

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To the Publishers **The American Artisan and Hardware Record,**

69 Dearborn Street, CHICAGO.

*Please send us THE AMERICAN ARTISAN each week for three months. At the end of that time we will remit Two Dollars, for one year's subscription, or 50 cents in case we decide to discontinue.*

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ADDRESS .....

TOWN .....

STATE .....

**BARKEEPER'S FRIEND.**

**Marble, Glass, Nickel, Brass, Copper, Tin and German Silver**

can all be cleaned and polished with it easier than with anything else. Price 25 cents per pound.

**Let us send you a free sample.**

**GEO. WM. HOFFMAN**
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Henry E. Davis, Girard, Ohio, writes: "Please discontinue my advertisement in your want column for a tinner. I have found one and think your paper is all right and your want column is all right, for letters of application come thick and fast."

A full assortment of these goods for sale by all the

(burned in the enamel) ARE SAFE

We claim Purity and Safety, and Substantiate this claim with Chemists' Certificates.

(Reduced fac-simile of label).

Look for this Label (Sustained by U.S. Circuit Court.) Printed on BLUE PAPER and pasted on every Kitchen Utensil made in Genuine AGATE NICKEL-STEEL WARE as a guarantee of Absolute PURITY and SAFETY

NAME OF UTENSIL.

AGATE L & G MFG. & Co. NICKEL-STEEL-WARE

NO.

Patented Feb. 12, 1895.

| COST | SELL |
|---|---|

Analysis No. 72,339. NEW YORK, Dec. 7, 1896.
We have made a careful examination of a sample of "Agate Nickel Steel Ware" received from The Lalance & Grosjean Mfg. Co., Nov. 30, 1896.
The enamel coating is homogeneous, of extra thickness, and great purity.
It is *entirely free from arsenic, lead* and *antimony*—metals so often found in enameled goods.
Very respectfully,
STILLWELL & GLADDING,
Chemists to the New York Produce Exchange.

Herve de P. Ricketts, E.M., Ph.D.
John H. Banks, E.M., Ph.D.
Analysis No. 14 180. NEW YORK, May 5, 1897.
LALANCE & GROSJEAN MFG. CO.:
GENTLEMEN—As requested by you, we purchased in the open market a sample of "Agate Nickel Steel Ware" and have made a careful chemical analysis of the enamel covering of the same.
We find this enamel is *absolutely pure and free from Arsenic, Antimony, Lead and other substances injurious to health.* We can therefore recommend it for all culinary and drinking purposes. Respectfully yours,
RICKETTS & BANKS,
Chemists to the N. Y. Metal Exchange.

Guaranteed Double Coated and Absolutely Pure
Copyrighted.

Read carefully the Chemists' Certificates.

Send for pamphlet soon to be issued. Lalance & Grosjean Mfg. Co.
NEW YORK BOSTON CHICAGO

leading Hardware and House-furnishing Stores.

TACKS

TOWER M'F'G. CO.
ELM & FRONT STS.
CINCINNATI, O
MANUFACTURERS

HOMESEEKER EXCURSIONS
On First and Third Tuesdays in each month to
VIRGINIA,
Via NORFOLK & WESTERN RAILWAY.
For all information as to RATES and TICKETS and for LAND PAMPHLETS and descriptive matter, address ALLEN HULL, D. P. Agt., Columbus, Ohio.

Steam Heat and Open Fires.

French Lick Springs
In the Indiana Highlands on the
Monon Route
Hotels Open all the Year Round.
Two Trains Daily from Chicago.
Through Sleeper from Dearborn Station, 9 p. m.
Send for booklet.
City Ticket Office, 232 Clark St.
FRANK J. REED, G. P. A., Chicago.

Lava Enameled Ware
is furnished in solid color, blue or purple outside and white inside. Every piece is guaranteed, and any goods found defective from any fault of the maker will be exchanged.
Cleveland Stamping & Tool Co.
Cleveland, O.

HOT SPRINGS
ARKANSAS

BEST REACHED FROM ALL POINTS VIA THE
Iron Mountain Route
Write for Descriptive and Illustrated Pamphlets.
H. C. TOWNSEND,
General Passenger and Ticket Agent,
ST. LOUIS.

W. J. Hill, Indianola, Ia., writes:

"I do not know as I can say anything that would add to the value of the paper, but I do know that I look forward to its coming with as much eagerness as I would to the coming of a friend, which indeed it is. It should be in every tinshop in this country."

# English Pots

Made in 1, 2, 3, 4, 6 and 8 gallon sizes, weighing 5, 9, 13, 14, 23 and 25 pounds, respectively.

We have the largest and best equipped factory in the south for the manufacture of Sad Irons, Country and Stove Hollow Ware. Ground and Unground. Sugar Kettles, English Pots, Cast Iron Shoe Lasts and Stands, Kitchen and Corner Sinks, Grates, &c.

**Blacklock Foundry,** South Pittsburg, Tenn.

**The Miller Catalogue Cabinet Co.**

ROY MILLER, Pres. H. KELLY, Sec.

SYSTEMATIC FILING DEVICES

For Catalogues, Price Lists, Etc.

Box 49, ALMA CENTER, WIS. 39-41 Cortlandt St. NEW YORK.

SEND FOR CIRCULARS.

# "Yankee" Screw Drivers

No. 12—RATCHET, WITH STUB BLADE

No. 11—RATCHET, RIGHT AND LEFT HAND AND RIGID

No. 15—RATCHET, WITH FINGER TURN ON BLADE

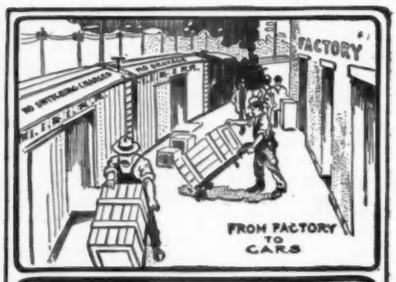
No. 30—SPIRAL RATCHET, RIGHT AND LEFT HAND AND RIGID

HAVE NO EQUALS.

THEY ARE SOLD BY LEADING JOBBERS.

Send for "Yankee" Tool Book.

**North Bros. Mfg. Co., Philadelphia, Pa.**




# Dividends

are paid out of the profits of a business. Stockholders expect dividends. Economic management creates profits. Shippers and manufacturers can pay larger dividends by being located on

**The Indiana, Illinois & Iowa R. R.**

WHY? *Because* if you were on its line there would be

No switching charges.
No teaming expense.
From one to five days' time saved in the receiving and shipping of your products.
This is worth looking into.
Your increased business means more earnings for the Railroad Company.
Your interests and ours become mutual.
Some desirable manufacturing sites can be had free of cost to you.
Write or call for further particulars.

The Indiana, Illinois & Iowa R. R.

573 The Rookery, Chicago, Ill., U.S.A.

# Disston's Superior Files

THE MATERIAL USED IN THE **Disston Files** IS MADE UNDER OUR PERSONAL SUPERVISION, IN OUR OWN STEEL WORKS. ALL **Disston Files** ARE MADE OF BEST QUALITY CRUCIBLE STEEL.

**Disston Files** ARE CAREFULLY FORGED AND HARDENED, TEETH OF CORRECT SHAPE.

THEY ARE THE MOST DURABLE FILES ON THE MARKET.

SEND FOR OUR ILLUSTRATED CATALOGUE CONTAINING FULL SIZE CUTS.

**Henry Disston & Sons, INC.**

Keystone Saw, Tool, Steel & File Works, PHILADELPHIA, PENNA.

Jay Commons, Aurora, Mo., writes:—"Please take out my advertisement. It has been entirely satisfactory."

# Iron Cut Nails.

Made of

**IRON.**

Better than Steel-Cut or Wire Nails.

Send for Prices.

**Old Dominion Iron & Nail Works**

Arthur B. Clarke, Prest. Richmond, Va.

The only Scientific **Lawn Mower Grinder** is made by

Grinds all kinds of Lawn Mowers absolutely perfect.
Write for circulars and prices at once.

**Schofield & Co.,** FREEPORT ILLINOIS

FOR THE STREET — THE "M&M" TRADE MARK LIGHT — FOR THE STORE

## What "M. & M." Lamps Do

They give a whiter, stronger, steadier light than the electric arc. Operate easily, safely, satisfactorily. Save money—actual 600 Candle Power at a cost of one-half cent an hour. Think of it!

The money they save adds to your profits. Everybody likes them but the gas and electric light companies. Write for circulars. GOOD AGENTS will find this a splendid proposition. They sell fast on pure merit.

**Acorn Brass Works,**
Dept. 4, CHICAGO, ILL.

## What "M. & M." Lamps Save

The Barrett Hardware Co., Joliet, Ill., write:

"Gasoline and supplies for six "M. & M." Lamps cost us $45.46 last year, an average of 60 cents a month per lamp. We believe we had as good a light as though we had six electric arc lamps at a cost of $360."

No wonder that over 30,000 "M. & M." Lamps are in daily use all over the United States—they kill big gas and electric light bills. 'Twill pay you to investigate.

Write for circulars to-day.

**Acorn Brass Works,**
Dept. 4, CHICAGO, ILL.

# THE NULITE VAPOR GAS LAMPS

**For Home, Store and Street.**

The Nearest Approach to Sunlight and Almost as Cheap.

**ARC ILLUMINATORS** 750 CANDLE POWER. 7 HOURS TWO CENTS.

Make your stores light as day. A Hardware house writes us:

*"We like your lamps so well we are now working nights instead of days."*

We also manufacture **TABLE LAMPS, WALL LAMPS, CHANDELIERS, STREET LAMPS, Etc.** 100 Candle Power seven hours ONE CENT. No wicks. No Smoke. No Odor. Absolutely safe. **THEY SELL AT SIGHT.** Exclusive territory to good agents. ☞ Write for catalogue and prices.

**CHICAGO SOLAR LIGHT CO., Dept. 40, CHICAGO, ILL.**

# Bolt and Screw Cases

**All Cases Guaranteed.**

For Sale by all the Leading Jobbers in Hardware.

**Send for Catalogue and Price List.**

**The American Bolt & Screw Case Co.**
Dayton, Ohio, U. S. A.

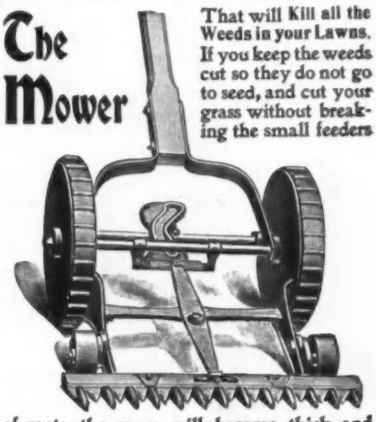
**THE PHILADELPHIA LAWN MOWER CO.**

3107, 3109 Chestnut Street,
PHILADELPHIA, PA.
U. S. A.

*Send for Illustrated Catalogue.*

# The Mower

That will Kill all the Weeds in your Lawns. If you keep the weeds cut so they do not go to seed, and cut your grass without breaking the small feeders



of roots, the grass will become thick and weeds will disappear. The Clipper will do it.

Send for catalogue and prices.

**Clipper Lawn Mower Co.**
(INCORPORATED.) Norristown, Pa.

# Standard Self-Melting, Self-Sealing Wax Strings

Is the very best Sealing Wax made for all kinds of fruit cans.

Very adhesive and economical.

For price to the trade, address the sole manufacturers' agent,

**C. C. FOUTS**
MIDDLETOWN, OHIO.

THE WONDERFUL "DORAN LIGHT"

**Don't Be Handicapped By Big Light Bills!**

Let a "Doran" Light System solve the light question for you. It guarantees, lamp for lamp, a light more brilliant, more steady, more penetrating than the electric arc at just about one-tenth the cost.

1,200 Candle power. White, soft, diffusive light and absolutely safe. Air pressure gasoline tank-situated outside the building; connection with the lamps made by seamless wire tubing. As many lamps in a system as desired. Light can be turned up or down at will.

"Doran" Lights are inexpensive to install and cost little to maintain. Efficient, economical, satisfactory. Let us send you catalog.

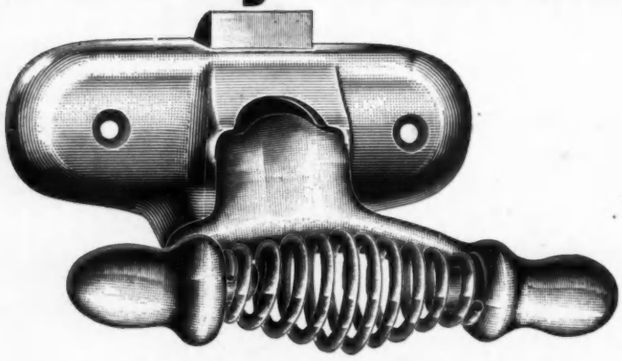
**Acorn Brass Works,**

**Dept. H, 15-23 So. Jefferson St., CHICAGO, ILL.**

WE WANT AGENTS for "Doran" Lights, also for the "M. & M." Portable Arc Lamps (600 Candle Power). Exclusive territory allowed.

LUCLINE DET

**No. 7. Range Gravity Handle.**



MANUFACTURED BY

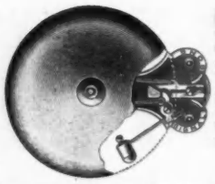
**The Fanner Manufacturing Co.,**

**CLEVELAND, OHIO.**

**Common Sense Flue Stop**

**Excels in every point for Simplicity, Durability and Ease of Adjustment. Absolutely soot-proof. A perfect flue stop.**

**J. K. Schick, Fairbury, Ill.**

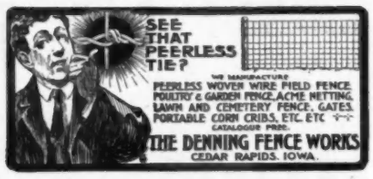


**GONG BELLS.**

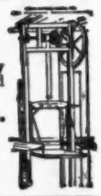
Globe and Silver Chime Hand Bells, Table Call Bells, Bicycle Bells, Automobile Bells, etc.

SEND FOR CATALOG.

THE GONG BELL MFG. CO., E. Hampton, Ct. U. S. A. Est. 1866


SEE THAT PEERLESS TIE?
WE MANUFACTURE
PEERLESS WOVEN WIRE FIELD FENCE, POULTRY & GARDEN FENCE, ACME NETTING, LAWN AND CEMETERY FENCE, GATES, PORTABLE CORN CRIBS, ETC. ETC.
CATALOGUE FREE.
THE DENNING FENCE WORKS
CEDAR RAPIDS, IOWA.

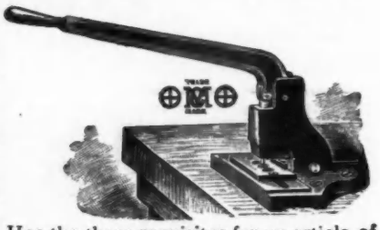
**ELEVATORS**



Improved, Quick and Easy Rising Steam and Hand Power.

**Kimball Bros. Co.**
1061 9th Street
**Council Bluffs, Iowa**
Omaha Branch,
108-110-112 North 11th St.

**Morrill's Bench Punch**



Has the three requisites for an article of this kind as it is simple, strong and interchangeable. The most satisfactory bench punch made.

**Chas. Morrill,**
**270 B'way, New York City.**

**This Lock is always on guard.**

You can't forget to lock it.
It locks itself.
Windows open for ventilation are still locked securely.
The Burglar's "Jimmy" can't force this Lock.
Better than a Policeman, in is there all the time.

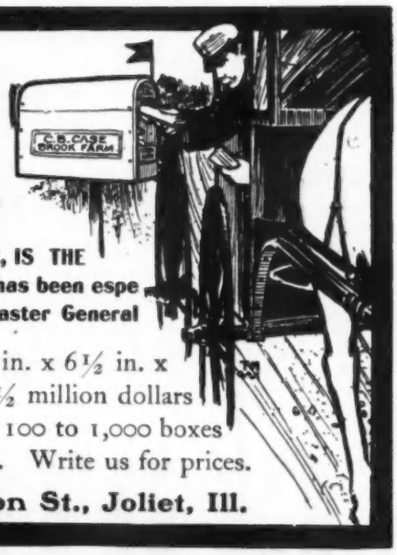
**It never sleeps. But you can.**

Send for Catalogue.

**HARLEV BURGLAR PROOF VENTILATING SASH LOCK CO.**
**92 La Salle St., CHICAGO.**

**Advertising is the root of all money.**

# RURAL FREE DELIVERY




**THE SIGNAL MAIL BOX**
BATES-HAWLEY PATENT.

*A POSTOFFICE AT YOUR DOOR*

**THE SIGNAL MAIL BOX, Bates-Hawley Patent, IS THE ORIGINAL BOX FOR RURAL SERVICE. It has been especially recommended by the Postmaster General**

It is the largest, and the only box full government size, 18 in. x 6½ in. x 11½ in., and the only one which meets all the requirements. 7½ million dollars just appropriated for extension of rural service this year. From 100 to 1,000 boxes will probably be put in in your vicinity. You should sell them. Write us for prices.

**SIGNAL MAIL BOX CO., 103 Benton St., Joliet, Ill.**

# The Century Rural Mail Box

OF DETROIT,

**For Rural Free Delivery.**
**Approved by Post Office Department.**

Nearly a million boxes have already been sold to farmers. Fifteen to twenty thousand are now being sold every week.

**Get Some of this Business.**

It should be handled through the hardware dealer. Write us for instructions for getting a **Sample Free.**

**Briscoe Manufacturing Co.**
DETROIT, MICH.

N. B.—We also make the famous "Hecla" copperoid oil can.

# BIG FOUR ROUTE

**Chicago** to { Indianapolis, Cincinnati, Louisville, the South and Southeast

Peoria, St. Louis, Indianapolis, Cincinnati, Louisville } To **New York** AND **The East**

W. P. DEPPE, A. G. P. & T. A. — W. J. LYNCH, G. P. & T. A.
CINCINNATI.

J. C. TUCKER, G. N. A., 234 Clark St., Chicago

# Standard Chain Company.
# Chain of all Kinds.
**Pittsburgh, Pa.**

J. K. SCHICK, Fairbury, Ill., writes:

"Your paper has furnished me with more than ten times the value of its cost."

## THE SURPRISE CREAM SEPARATOR.

Pat. Applied For.

The milk is not mixed with the water. Skimmed milk not diluted with water is worth money to the farmer.

Write for prices and secure agency.

***Every Separator Guaranteed.***

Made of best heavy tinplate and is durable.

***SEITHER & CHERRY CO.,***
***KEOKUK, IOWA.***

**James M. Kellogg,**
**Bozeman, Mont., writes:**

"For the general information it contains, your book, 'The Manual of Receipts,' is well worth the money."

**CHRISTIAN PROBST, HARTFORD, WIS., WRITES . . .**

"I don't doubt the enormous circulation of your paper. I got all kinds of offers from all kinds of people. Please discontinue my adv. because I have all the jobs I can take care of."

1902 CATALOG AND NET PRICE LIST
SENT ON POSTAL REQUEST.

# THE AMERICAN WRINGER CO.

## HORSE-SHOE BRAND

# CLOTHES WRINGERS

99 CHAMBERS STREET,
NEW YORK.

THE ORIGINAL **H. F. Brammer Mfg. Comp'y**
(Incorporated 1888) DAVENPORT, IOWA.
MANUFACTURERS OF

**The Original Improved Brammer Washer.**
**The Original O. I. C. Pendulum Washer.**
**The Original O K Rotary Ball Gearing Washer.**
With Gold And Copper Bronzed Hoops And Castings.
**WE LEAD.** Others imitate. The superiority of our Washers is too well known, and dealers will not be misled by similar machines.
Quotations and particulars will be sent on request.

## A Special Hardware Wagon.

Low Down.
Short Turn.
High Wheels.
Saves the Heavy Lifting.
Makes Quick Delivery.
For Prices, Terms, &c., Address,

SHIPMAN, BRADT & CO., 305 North 3d St., DE KALB. ILLS.

J. P. Watson & Son, Marshall, Minn.,
Write
"You will please take out the want advertisement for Tinner you got us one and "FORTY" applicants:'

## Locations for Industries.

Manufacturing is rapidly developing along the lines of the Chicago, Milwaukee & St. Paul Railway. Industries on a large scale now extend to the Mississippi River with indications of reaching the Missouri. Machinery and all the higher classes of manufactured goods are now being exported from this business territory to all parts of the world.

The Chicago, Milwaukee & St. Paul Railway Company's 6,600 miles of railway, exclusive of second track, connecting track or sidings, traverses eight states, namely:

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| NORTH DAKOTA | MINNESOTA | NORTHERN MICHIGAN |
| SOUTH DAKOTA | IOWA | WISCONSIN |
| Express Passenger Trains, Fast Freight Trains Throughout. | MISSOURI | ILLINOIS |

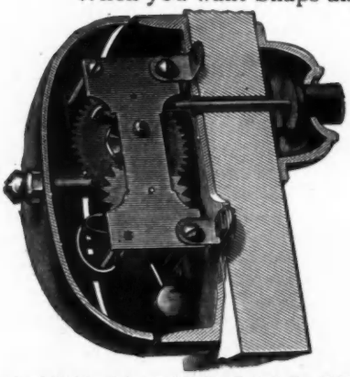
which comprise a territory full of natural resources and advantages. This railway is geographically well located in relation to the great markets and distributing centers. Beyond its lines is a vast and rapidly developing territory extending to the Pacific Coast.

The Company gives unremitting attention to the development of local traffic along its lines and, with this in view, seeks to increase the number of manufacturing plants on its system, either through their creation by local enterprise or the influx of manufacturers from the east. It has all its territory districted in relation to resources, adaptability and advantages for manufacturing. Specific information furnished manufacturers in regard to suitable locations. Address,

LUIS JACKSON,
Industrial Commissioner C., M. & St. P. R'y.
660 Old Colony Bldg., Chicago, Ill.

# Job Stocks of Hardware

When you want Snaps and Leaders consult us. We are headquarters for Jobs in all lines.



## A COMBINATION MONKEY WRENCH.

**We bought 5,000 of them at manufacturers' sale.** They are malleable iron. Length, closed, 9 inches. This cut speaks for itself, and shows the various different purposes to which this wrench can be put—monkey wrench, hexagon end, round in the center, and hammer head. It is made of 3 pieces, and is a thoroughly practical and indispensable tool.

**Per Dozen, 75 cents.**

## ELECTRIC RING DOOR BELLS.

We offer you the best electric ring door bell ever made. It requires no battery. Self winding—rings as you push the button. It has the same powerful sound as an electric bell, and is at once the most perfect, novel and simple door bell on the market. It is 4 inches in diameter. The gong is full nickel plated, with plain bronze rosette.

**Per Dozen, $5.50.**

## THE "NEW IDEA" PADLOCK.

Made in malleable and gray iron, finished in bronze enamels.

Equal in point of strength and general utility to the most high priced padlocks.

Owing to the peculiar shape of the key and key-hole channel, the "New Idea" Padlock is practically proof against being operated without its corresponding number key. Size of "New Idea" Padlock, 2¼ inches in diameter, ⅝ inches thick. Twelve combinations to the dozen. Attractively put up in ½ dozen boxes, 1 and 2 gross cases. Its worth is positive and instantly recognized at a glance. It is of wonderful strength, the key enters the lock in a circle, rendering "picking" impossible; is of small size and attractive appearance.

**Per Dozen, 65 cents.**

Write for our Confidential Hardware Catalogue No. 70.

# Chicago House Wrecking Co.

**West 35th and Iron Sts., CHICAGO.**

# We Are Not In The Trust

**We have no connection with any other "Rogers" Company, and guarantee our silver ware to strip as much silver as any "Rogers Brand" on the market.**

**Puritan Oyster Fork.**

## Send For Our New Catalogue.

# Simeon L. and George H. Rogers Company,

**P. O. Box 1205. - - HARTFORD, CONN.**

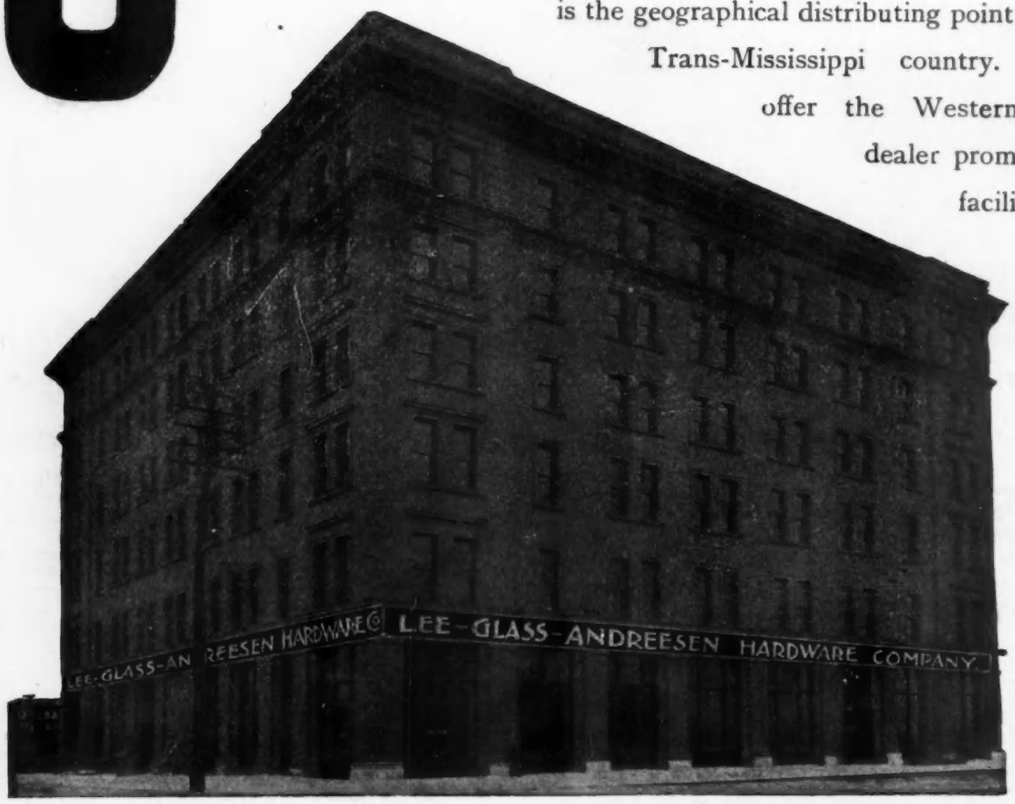
**Factories: Hartford and Wallingford, Conn.**

# OMAHA

is the geographical distributing point of the great Trans-Mississippi country. We can offer the Western hardware dealer prompt shipping facilities that are absolutely beyond the reach of our competitors.

Our prices are right.

Our goods are made to meet Western requirements.




Peters Cartridges

Peters Cartridges

# "What Kind of Shells

## Did you ship me last?"

"Clerk, what shells did you ship our old friend, Mr. Merchant, last week?"

"Shipped him the **'Peters League.'** The boys all liked them so well I was sure they would suit him."

"Sorry, Mr. Merchant, if we did not send what you wanted, but I'll guarantee you will find them all right. Are selling lots of them—none better."

"Hold on, there, Mr. Jobber, you needn't be sorry; but you will be if you ever send me anything but **Peters 'League'** shells hereafter. Why, I have sold them all out already, and the boys won't have any others. Can you ship me more today? Now, mind you, NOTHING BUT PETERS will go in our town."

**Handy Book for Shooters and Sportsmen sent free to all applicants.**

## The Peters Cartridge Co.,

**CINCINNATI, OHIO, U. S. A.**

EASTERN BRANCH:
80 Chambers St., NEW YORK.

HIBBARD, SPENCER, BARTLETT & Co., CHICAGO, ILL.

F. B. CHAMBERLAIN, Com. Co., ST. LOUIS, MO.

CHAS. G. GRUBB, Agent, PITTSBURG, PA.

Peters Cartridges

Peters Cartridges

**Solid Comfort**
**Speed**
**Safety**
**Scenery**

# Lackawanna Railroad

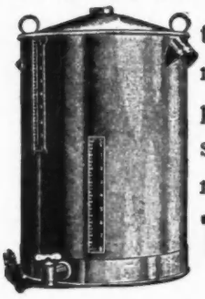
## CHICAGO TO NEW YORK

**Three Trains Daily**

**Enquire of your nearest Railroad Ticket Agent or write**

**GEO. A. CULLEN**
**Gen'l Western Pass'r Agent**
**103 Adams Street, Chicago**

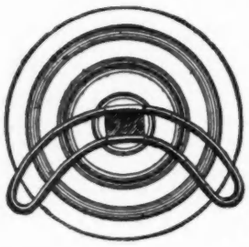
## The Jersey Cream Separator



takes less than an hour to separate cream from milk. It is beyond a doubt the most simple, practical and reliable separator made. It is sold only to the trade. Prices will be furnished on application.

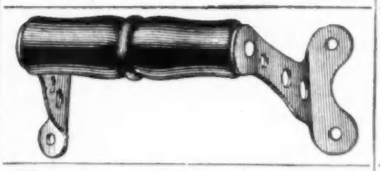
**The Galesburg Cornice Wks.,**
GALESBURG, ILL.

## THE Peerless Flue Stopper



Steel wire springs instead of sheet iron stays.
Stays where you put it, and is absolutely soot and smoke proof.
Made either plain or decorated.
Send for miniature sample and prices.

**Welling Manufacturing Co.,**
COLUMBUS, O.

| | | |
|---|---|---|
| Something New | Keystone Boiler Handle | Every One Guaranteed |
| The Highest in Quality |  | Write * for * Price |
| Send for Free Sample | Berger Bros. Co. 237 ARCH ST., PHILADELPHIA. | 2 Styles: Round, Square |

## SPERRY'S SUGAR KETTLES.

Light, smooth, full measure and guaranteed perfect. Made from original patterns. Metal, the right kind in the right place. Ask your Jobber for them or write us.

**D. R. SPERRY & CO.,**
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A Combination Cream Separator and Churn.

**Good Butter Always Has a Market.**

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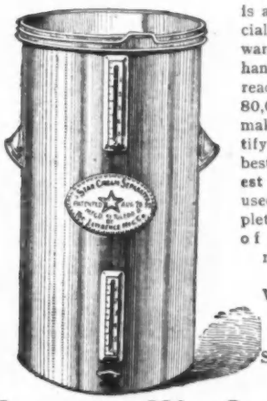

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The latest and best. Double cans. Separates cream without mixing with water, or with water if you wish it. Sold to one dealer in a town only.

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Will lay out patterns for any size and angle of elbows in three minutes' time. Can also be used as Straight-edge Rule, Circumference Rule and Trammell. Should be in every Tinshop. Will save its cost in a few weeks. Thousands are in use and every one giving excellent satisfaction. Price, complete in a nice wooden box with Ch.. $4.00 net cash. (Mention THE AMERICAN ARTISAN.)

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The strongest, most durable, and cheapest CUT-OFF on the market.

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